

# "American Ionospheric Propagation Association"

## TV-DX

PRES. & SECY.

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AIPA Bulletin--Published first week of each month, 12 issues per year.  
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Editorial....

First of all, our hearty thanks to Larry Vehorn of Speedway, Indiana, for the grand convention which he was responsible for. It was a grand affair and enjoyed by all attending. Some of the highlights were the excellent thorough tour of WFBM Television Center in Indianapolis; witnessing of color TV, including as it came in from New York on monitor. Our thanks also to Bob Flanders, general manager of WFBM TV, who so kindly showed us WFBM TV in its entirety. We can forget Don Roller & his folks for the wonderful hospitality during our stay in Ft. Wayne, Indiana. Also the very interesting tour of WMAZ and WJMG television. All in all, it was grand! Those in attendance were: Don Roller, Bill Eckberg and his father; Walter Spaulding (and his family); B. J. Bingham; Carlton Howington; Paul Swartz; Ed Prond (and his family); Bob Flanders (of WFBM TV); Norm Erint; King Schaffer, Art Collins; Carl Lupton, Larry and myself.

Next year's convention is already being planned, thus no short notices and last minute rush, etc. It will be held at none other than Carl Lupton (in Shelbyville, Illinois. The dates will be July 12-13, 1958, the second weekend in July. We expect the biggest and best convention yet next year, so plan now for the ole AIPA DX convention in 1958!

AIPA membership renewals of late include: Larry Vehorn; Don Roller; Walter Spaulding; Carlton Howington; Bedford Brown; Wendell Rose; Ghislain Girard. New members include: Ken Cooper, 4832 W. Fruit Ave., Fresno 5, Calif.; Don J. Dutler, 10182 Pagineau Ave., Montreal, Quebec; Bryan Rawlings, 4376 Wilson Ave., Montreal, Quebec; A big welcome and re-welcome to all!

Once again I must AIPAers to support their editors as much as possible. Walter Spaulding of "RANK", Gordon Simkin of IWDK in particular need material for their columns. Their editions depend on your material sent in.

As this editorial is written, E skip seems to have tapered off somewhat lately, but tropo really has been quite terrific with near record loggings. Prospects are for equal or even better tropo, especially on UHF in next 6 weeks. Be alert especially in early AM and evening hours.

Deadlines for next bulletin are: Longview, Washington; Gardington, Ohio; Long Linda, Calif., August 26th; Buffalo (FOG News), August 27th; Hot Springs, Ark., Shelbyville, Illinois, August 28th; Dunkirk (Eastern reports), Aug 31st.

Another new member whom we welcome this month is: Richard Brelia, 35 Crown Street, Brooklyn 25, N.Y. Also membership renewal in from Clinton Day Jr., now out in Monterey, California.

That's it for this month. Best of DX & 73!

RS

Receiving skip over channels four, five & six is much more difficult than two and three because of the higher frequency, weaker skip, and other reasons.

I have found that on channel 4 the best policy is to disconnect your outside antenna altogether, connect the dipoles from the "Champion", turn outside antenna until weakest possible pix appears, then probe as described in July column. It must be pointed out that there must be no physical connection between the "Champion" dipole and your outside array, as opposed to the parallel connection when using straight dipole on channels 2 and 3. The straight dipole system may in some cases be applied to channel 4, if same is cut to the proper length, but will not work at all here on 5 and 6.

On channels five and six the problem is more taxing than ever, and in some cases almost impossible to work on them, unless you are at least 15 or more miles from the transmitter or they are of rather low power. Even then you will probably fail, but you can always try.

The straight dipole won't work at all on channels 5 and 6, so they only leaves the "Champion" dipole to work with. We do however find, that if the  $\frac{1}{2}$  "Champion" dipole is connected in parallel with the outside antenna and the same steps are taken as with the straight dipole on channels we obtain the best results. I would like to point out here that even though you fail to "knock out" your local, if you have followed all the outlined steps, and your receiver has a good front end (tuner), the other nasty problem of adjacent channel interference should be greatly minimized, and that's without the use of traps, filters and other, most times worthless external devices.

Again on probing with the dipoles if you are lucky it may be possible to find a weak spot where you may anchor said dipole in a permanent position and thus save plenty of time when the skips hits. I have found that the dipoles work very unsatisfactory on the first floor if your house is located on other than high ground. You must establish the proper operating height for best results. Since these units are quite light, you may even probe your roof, and if a weak spot is located, anchor it on the spot, making sure it is well insulated from the roof, or any metal hooks or other attachments. You must be on the lookout for reflections from metal roofs, signs etc., and be aware of the fact this whole system may not perform on a rainy when the roof is wet, even though your dipoles are located inside the house.

Since you can much improve the directional qualities of your outside antenna by connection of a dipole in parallel with same, questions may arise about signal loss and related matters. Well, it's quite true but it is very interesting to note the signal loss is greater on your local than on the skip station, so this is one of those rare circumstances where you come out ahead. In some cases if your lead-in is touching the mast, the use of metal foil slugs, and other signal loss conditions, you may find yourself suprised at the results.

I have outlined the basic elements of my findings, and can say without shame the system has proven worthwhile. If you are interested try your own ideas and you may come up with something that will benefit us all. There are always those out of this world, highly expensive ideas, but a non-technical or semi-technical system of little expense I believe would be the most appreciated by any DXer. If I may offer some additional data please let me know, and I would greatly appreciate any ideas or suggestions on this matter. -30-

Next month we will center on all the informed data that Barney Rauch of Peoria, Illinois has sent in.

73's, --- King Schafer



Compiled by Art Collins

### New GRANTS.

- Ch. 5 Swift Current, Sask. Can. 9Kw.
- Ch. 5 Prince Albert, Sask. Can. 61Kw.
- Ch. 6 Bad Deer, Alta. Can. 4.15Kw.
- Ch. 9 Matane, Que. Can. 160Kw.
- Ch. 13 Three Rivers, Que. Can. 1.53Kw.
- Ch. 19 Nacogdoches, Tex. 20Kw.-10 $\frac{1}{2}$ Kw.
- Ch. 30 Toledo, Ohio. (Ed.)
- Call Letters assigned.
- Ch. 2 CFPB-TV Port Arthur Ont. Can. changed to CFCJ-TV.
- Ch. 8 KTXL-TV San Angelo, Texas will change to KCTV(TV) Aug. 4th.
- Ch. 12 WBLK-TV Clarksburg, W. Va. changed to WBOY-TV.

### APPLICATIONS

- Ch. 11 Fargo, N.D. 29Kw-14 $\frac{1}{2}$ Kw.
- Ch. 13 Norfolk, Va. 316Kw-159Kw.
- Ch. 34 Los Angeles, Cal. 251Kw-137Kw.
- Ch. 47 Pittsburg, Pa. 201Kw-100Kw.
- Ch. 66 Erie, Pa. 65Kw-35Kw.
- Translator App.
- Ch. 76 Raymond, Wash. for KOMO4,
- Ch. 70 La Grande, Ore. for KHQ6
- Ch. 71 Springfield, Mass.
- Ch. 82 N. Warren, Pa. for WBEH4
- Ch. 70 Pinedale, Wyo for KID3,

### AFFILIATES.

- WHDH-TV Boston, Mass ABC-TV (Nov.)
- KAVE-TV Carlsbad, N.M. CBS-TV.
- WFGA-TV Jacksonville, Fla. NBC-TV Sept.
- WFAA-TV Dallas, Tex. ABC-TV Sept 9th.

### MIS'L. NEWS.

- Pittsburg, Pa. is expected to have it's OK for 3rd TV Station by Aug.
- WQED(TV) ch 13 Pittsburg, Pa. filed for UHF ch 47 there, to use both.
- WFIL-TV & WRCV-TV in Philadelphia, Pa. Ch 6 & 3 will jointly have one 1000' tower.
- WFIE(TV) Evansville, Ind. supposed to shift from ch 62 to Ch 14 July 2nd.
- WICU ch 12 Erie, Pa. going up to 316Kw power, Ant change, in 90 days.
- WMFD-TV ch 6 Willmington, N.C. up to 100 Kw June 1st.
- CKCO-TV ch 13 Kitchener, Ont. Can. wanted increase to 275Kw. (was denied)
- WPTA ch 21 a new one in Roanoke, Ind. (about 12 miles out side Fort Wayne is extracting tower etc in Fort Wayne, Ind. expects to be by early fall.
- WINR-TV ch 40 Binghamton, N.Y. will be on 575Kw-288Kw. Sept as Target date.
- WMAY-TV ch 2 Springfield, Ill reported seen on Ch 2...How many has seen this?
- KJEO(TV) ch 47 Fresno, Cal OKed for power up to 380Kw. & Ant changes.
- KHQ-TV Spokane, Wash. has a NEW design Antenna atop it's 826' Tower.
- WTIC-TV Ch 3 Hartford, Conn. Plans a Sept. start (Target Date)
- KPAC-TV Ch 4 Port Arthur, Texas (NBC-TV) plans a start in Sept 15th.
- WWL-TV Ch 4 New Orleans, La. plans a Aug start.
- WIPR-TV Ch 6 San Juan, P.R. " OCT start.
- KUED Ch 7 Salt Lake City, Utah. " Sept Start.
- KOAC Ch 7 Corvallis, Ore. " Oct Start.
- KMTV Ch 7 Omaha, Neb. " Sept Start.
- WCTV Ch 8 Athens, Ga. " Nov. Start.
- WSUR Ch 9 Caguas, P.R. " Nov. Start.
- NAVY-TV Ch 10 Portsmouth, Va. " Sept Start.
- WMVS-TV Ch 10 (ED) Milwaukee, Wis. " Aug. Start.
- KWRB-TV Ch 10 Riverton, Wyo. " Sept. Start.
- KMOX-TV Ch 11 St. Louis, Mo. " Dec. Start.
- WICC Ch 11 Pittsburg, Pa. " Aug. Start.

The "Perseids, Kappa Cygnids & Zeta Draconids Meteor Showers will run from Aug. 10th thru 31st. this should give us some good MB...worth giving those dates a try.

Art Collins.



tion. Wish that more of you had been there. Maybe next year more of you will be there I believe it will be in Illinois. Not quite a bit so better save space. HI.

Art Collins sent in some verifications. Thanks Art. Have a nice vacation?

WDMJ 6 Marquette, Mich. North y Barton KTVC 6 Ensign, Kan-Ken Karr (C.E.)

KTOA 2 St. Paul, Minn. - Barton Holmberg C.E. WITI 6 Milwaukee, Wisc. Dan Gellerys C.E.

KTVI 2 St. Louis, Mo. Richard Trompeter C.E. WTMJ 4 Milwaukee, Wisc. Phil Laesser Mgr.

XEM-TV 3 Mexicali, Mexico D.F. Bob Kelly General Manager (Will be on air Aug. 15 American Network) could be CBS, NBC, or ABC.

CMAB-TV is the call of teleundoees key outlet in Havana on 2 this was always the call, but they have used CMA-TV in the past instead, which is the network ID.

KHAS-TV 5 Hastings, Neb. sign on with Gay Research test pattern around 0900 CST.

WOO-T - ##WLBT-NOW-TV, KFBO-TV, WBAP-TV, KOMO-TV, KOTA-TV, WOOL-TV, WJIM-TV, KRLD-TV, KPDX-TV are some of the stations that use call letters instead of the Indian Head on Test P.

Bob Seybold has sent me following information.

WISC 3 Madison, Wisc. T.P. sign on 0645-0700 EST weekdays, Program sign on at 0700 EST

KHAS 5 Hastings, Neb. Program sign on 1030 EST Tr before CBS type pattern.

WCYB 5 Bristol Va. - Test (color bars), 0630-0655 EST

WAGA 5 Atlanta Ga. - Test pattern 0630-0655 EST.

WOSC 5 Charleston, S.C. - Test Pattern 0615-0700 EST

WTV 5 Palm Beach, Fla. Test Pattern 0645-0700 EST

WBBM 2 Chicago, Ill. - Test Pattern 0600 Start.

I have some sign on and off hours sent in by Bedford Brown Jr. Thanks.

Station	Ch.	Week days	Saturday	Sunday	City
<del>KARK-TV</del>	<del>11</del>	<del>0745-0100</del>	<del>0845-0100</del>	<del>1215-0045</del>	<del>Little Rock, Ark.</del>
KARK-TV	4	0745-0100	0845-0100	1215-0045	Little Rock, Ark.
KTHV	11	0655-2350	0825-0045	1200-2350	Little Rock, Ark.
KATV	7	0655-2350	1230-0130	1200-2400	Pine Bluff, Ark.
KOMO-TV	6	0715-0100	0830-0100	0900-0100	Texarkana, Tex.
WKNO-TV	10	1900-2300	off air	off air	Memphis Tenn.
WREC-TV	3	0655-0145	0825-0145	0815-0145	Memphis, Tenn.
WMOT	5	0745-0045	0745-0045	0930-0030	Memphis, Tenn.
KNOE-TV	8	0655-0015	0830-0215	1300-0015	Monroe, La.
WDXI-TV	7	1500-0050	1245-2400	1500-0035	Jackson, Tenn.
WWSL-TV	22	1300-0010	1300-2330	1600-0010	-
WBRC-TV	6	0630-0145	0830-0130	0800-0200	Birmingham, Ala.
WABT	13	0730-0230	0800-0030	0930-0130	Birmingham, Ala.
KFVS-TV	12	0745-0015	0830-0145	0900-0015	Cape Girardeau, Mo.
WTOK-TV	11	0745-0015	0830-0015	1400-0015	Savannah, Ga.
WTWV-TV	9	1300-2330	1200-0045	1330-0045	Tupelo, Miss.
WLBT	3	0800-0105	0830-0055	1053-0135	Jackson, Miss.
WJTV	12	0800-0120	0830-0100	1700-0130	Jackson, Miss.
WOBI-TV	4	1330-0035	1030-0030	1700-0130	Columbus, Miss.

The next three stations are Venezuelan.

YVKS	2	0800-2300	0800-2300	0800-2300	All times are EST
YVLV	4	0800-2300	0800-2300	0800-2300	
YVKA	5	0800-2300	0800-2300	0800-2300	

Some verifications sent by Bedford Brown Jr.

OBOT 4 J.H. Book, Teck. Dir. Ottawa, Can. NTVY 9 E.N. Anderson, C.E. Dothan, Ala.

KOAM-TV 7 Jack Lawrence, C.E. Pittsburg, Kan. KFVS-TV 12 QSL Map no signer, C. Gir. Mo.

WIBW-TV 13 Gale A. Totten, Asst. C.E. Topeka, Kan. KFBO-TV 2 QSL Card St. Joseph, Mo.

WHAS-TV 11 C.W. Towner, Dir. of eng. Louisville NDAM 9 K. Glatzer, Pro. Dir. Hattisburg, Miss.

WPBD 6 E.J. Paxton Gen. Mgr. Paducah, Kan. WTK 11 John Via, Staff Anc. Meridan, Miss.

KALB 5 W.L. Cobb, Gen. Mgr. Alexandria, La. KCMU 8 M.E. Gross, Pro. Dir. Columbia, Mo.

KROG 9 E.J. Schuelain, C.E. Jefferson, City (13) KCDE 12 Ron Robson, Pro. Dir. Joplin, Mo.

KOMO 5 Karl Troeglen, P. Birshoness City, Mo. KTVI 2 R.J. Trompeter, C.E. St. Louis, Mo.

KTTS 10 G. Pearson, Ward, San. Springfield, Mo. KYTV 3 E.D. White Springfield, Mo.

KFBB 5 Ben Brown, Pro. Dir. Great Fall, Mont. WRAL 5 V.D. Duncan, C.E. Raleigh, N.C.

KDIX 2 Ben Lockard, C.E. Dickinson, N.D. KTVX 8 S. Lancaster, Muskogee-Tulsa, Okla.

KWTV 9 G. Springer, Prom. Dept. Oklahoma City. WKY 4 Gene Lyons, C.E. Oklahoma City, Okla.

KDLO 3 QSL no signer (Send to Garden City, N.D. Send Reports to

Thanks have a few more but bottom came up too soon. Walter W. Spaulding, Cardington, Ohio.

Denny Gline, Eastport, Maine--May 31, tropes, 550 miles, WGBS2 WABG7 (both new) WPIX11 WJAR10 WNAZ7 etc; June 1, tropes, 300 miles, WJZ4 WNAZ7 WJAR10 WPRO12; June 2, Es, WFMX2; June 4, tropes, 300 miles; June 5-6, tropes, 300 miles; June 9, Es, KSD5 WREP3 WNAZ7 WNBQ5 WSAV3 WLWD2 KTVI2; June 10, Es, WMT2; tropes, WJAR10; June 11, Es, WREB3; June 13, tropes, WJAR10 WNAZ7 WABD5; June 16, Es, WUSN2 WMT2 WJHK2; June 18, tropes, 300 miles; June 20, Es, WISC3 WBAV2 IDAL3; June 22, WJAR10 WNAZ7 WPRO12. His log now at 64 with 5 new this period.

Frank, Hill, Gallipolis, Ohio--May 30, Es, KVOO2 KOTV6 KFDX3 KPRC2 KRLD4 KMID2; June 6, Es, KCKT2 KFDX3 KOTV6 WAIQ2 CKOK2 KDIX2 (new); June 8, Es, WGBS2; June 10, Es, KPRC2 KMID2 KCEN6 KRLD4 WBAV5; June 11, Es, KVOO2 KMID2 WBAV5 KOTV6 KRLD4; June 13, KPRC2 KMID2; June 14, KPRC2; June 16, CMAB2; June 19, KMID2 KFDX3 KRLD4 WBAV5 KCEN6; June 20, WMT2; June 21, KTVR2 KOA4 KFBG5 KRLD4 WBAV5 KPRC2 KMID2 KFDX3; June 25, WGBS2; June 28, WTHS2; June 29, KMID2 KPRC2 KVOO2 KFEQ2 WOAI4 WBAV5 KCEN6. Frank's log now at 217.

Larry Vehorn, Speedway, Ind.--June 2, Es, KTVR2; tropes, WTV039 (new); June 9, tropes, WPSD6 (new); June 10, CEFT2 KOTA3 KID3 (all new) KOOK2 KTVR2; June 20, Es, KOOK2 CKOK2; June 21, Es, KOOK2 KOTA3 KTVR2 KFBG5. Log at 113, 5 new.

John Black, Koffat, Ont.--June 9, tropes, WTRF7 WJAC6; June 10, Es, KOTA3 KOA4 KHAB5 (all new) KDLO3 KTVR2 KVOO2; tropes, WJAC6; June 11, WGBS2 (new) WAIQ2; tropes, KDKA2; June 13, tropes, CKLW9 WKTU13 WNEM5; June 15, WBBM2 (new); June 21, tropes, WNEF12 (new); Es, KCKT2; June 29, KTB83 KOTA3; June 30, WTVJ4 (new). His log now at 65 with 7 new this period.

We have a group of 5 from Battle Creek, Michigan joining our chain, they being represented by Bruce Brady. Other members of the group are: Bill Barron, Ron Haver, Steve Crane, Dick Hurley. As a group they have 117 stations, in 31 states & 4 countries. Among their best are: CMQ KNBH4 XEW2 WTHS2 WFLA8. Their June report: June 10, Es, KGBT4 KPRC2 KRLD4 WOAI4 WBAV5 KCKT2 KDIX2 KOOK2 KTVR2 KOA4 KOB4 KMID2; June 28, Es, KTVR2; June 29, Es, KPRC2 KMID2 WBR22 XEW2. Welcome to the AIPA boys!

Barney "The Old Buzzard" Rauch--June 22, Es, KUTV2; tropes, 200 miles; June 24, tropes, 200 miles, WHOL3 WISN12 etc; June 25, tropes, 200 miles, WTHI10 KTV03 etc; June 26, tropes, 400 miles, WPSD6 WFBM6 etc; Es, KPRC2; June 27, tropes, WIEW13 (500 miles) KOLU8 KTV03 WTHI10; June 28, tropes, 200 miles; June 29, tropes, 500 miles, WIEW13 KFVS12 etc; June 30, tropes, 500 miles, WIEW13 WAVE3 KCMO5 WTVW7 (new); July 2, tropes, 325 miles, KFEQ2 WDAF4 KMBC9 KTTS10 WIEW13 (500 miles); July 3, tropes, 500 miles, WHEQ13 WPSD6 WCTV6 (all new) KMBC9 WLWT5 KTHV11 WSIX8; July 4-5, tropes, 200 miles; July 5, Es, KMID2 KUTV2; July 7, tropes, 475 miles, KARK4 KTHV11 WISN6 KCRG9 etc; Es, KEYT3 (new); July 8, Es, CMHQ5 WKAQ2 WRC4 (all new) CMUR4 KPRC2 KMID2; tropes, WLAC5 (new) KMBC9 KCMO5 etc; July 9-11, tropes, 200 miles; July 10, WTV039; July 12, tropes, 500 miles, WIEW13 KMBC9 WTMJ4 etc; also WTVP17; July 13, tropes, 250 miles; July 14, tropes, 400 miles, Es, KMID2 WOAI4 KPRC2; UHF, WNDU46 (new) WSBT34 WTV039; July 15, WTV039; July 16, tropes, WOW6 KCMO5; July 17, WMT2 KRNT8 etc; July 18, tropes, 325 miles, WOW6 KCMO5 WOIS etc; July 19, tropes, 325 miles; July 20, UHF, WXIX19 WTVP17; VHF tropes, 500 miles, WOOD8 WKBT8 WIEW13 WAVE3 etc; Es, KUTV2 KOOK2 KPRC2. Log now 232 stations with 18 new.

Don Roller, Ft. Wayne, Ind.--July 5, Es, KGNC4; July 7, tropes, KFVS12 WHEQ13 WSM4 KARK4 WLAC5 WHEF4 KTTS10; July 10, tropes, KSD5; July 11, Es, KGBT4 KRGV5 KPRC2; UHF, WXIX19; July 12, tropes, KDKA2 WTRF7 WHTN13 WSTV9 CFPL10; July 14, Es, KRGV5 CMHQ5 CMHQ5 KPRC2 KGBT4; tropes, WREX13; July 15, tropes, WFRV5 (new) WHEF4 WOC6 WMBV11 WFMJ21 WKBW27; July 16, CHCH11 WTRF7 WFBG10 WSTV9 WFMJ21 WICU12 WSEE WMBV11 etc; July 17, tropes, WHTN13 WFRV5 WTVS56 (new) WHIZ18 WBUF17 (new) WKOW27 WKBW27 WFMJ21; July 18, UHF, WFIE14 WEHT50 (both new), tropes, WPNB7 WREX13 WILL12 (new); July 19, tropes, WISC3 WPNB7 KWVL7 WHEF4 WOC6 KROC10 WKBT8 CKNX8 (new) CHCH11 / CHEX12. Don's log now at 177.

John Parillo, Girard, Ohio--June 2, WHTN13; June 3, WKRC12 CKCO13; June 4, WICU12; June 8, Es, WTVJ4; June 10, Es, KCKT2 KDIX2 KTVR2; June 11, Es, WKY4; June 14, Es, KMID; June 16, UHF, WENS16 WAKR49; June 17, tropes, WHTN13; June 18, Es, WOAY4; June 21, Es, KTVR2. His log now at 94 with 3 new this period.



Eastern DX Column....Continued....

Armand Pelland, Woonsocket, Rhode Island--June 1, tropes, WCBS2 WRCV3 WABD5 WCHS6 WAB15 WHPW8 WGL15 WDC19; June 2, WRCA4; June 10, tropes, WNHC8 WABD5 WCBS2 WDC19; June 11, WCHS6 WNHC8 WRCV3; Es, KYTV3; June 16, WOR9 WNHC8; Es, WSB2; June 18, WCHS6 WCBS2 WABD5 WGL15 WDC19 WHST18; June 23, NYC chs 2, 7, 9; WRCV3 WFIL6 WDC19 WDC30 WWLP22; June 28, tropes, WRGB6; June 30, Es, CFPA2 CJIC2 (both new) KDAL3; July 4, Es, KGL03; July 5, KTVI2 CMQ6 (both new) KSD5 WUSN2 WAIQ2 WaGa5; July 6, Es, WSLV3 (new); tropes, WRCA4; July 7, Es, KTVI2; July 12, Es, CMQ6 WPTV5; tropes, WRCV3 WRGB6; July 20, Es, WREC3; tropes, WOR9.

Ross Brown, Tupperville, Ontario--July 14, Es, KV002 KYTV3 KFDX3 WKY4 KGEO5; July 16-19 period, excellent tropes with such as following logged: -WCIA3 WHEF4 (new) WFBM6 WTHI10 WMBV11 WEAU13 (new at 478 miles), tentative KRCG13 WGEM10 (new at 495 miles) WGN9 WTTW11 WREX13 WKTU13 WANE15 WTVF17 (new) WTVH19 WKJG33 WSBT34 WIMA35 WEEK43 WNDU46 WLBC49 WBJV52 WKNX57 WFAM59 WBUF17 WLIX19 WFMJ21 WDAN24 WSEE35 WICS20. His log now at 202 stations.

George Leach, Tampa, Fla.--July 3, Es, XEQ9 XEW2 KEX3 (new); July 5, Es, KTVO3; (all E skip)--July 8, Es, KTVI2 KSD5 KTIV4 KTVO3; July 14, KTVI2; July 15, KMID2; KPRC2 KGL03; July 5, KGBT4; July 7, KFEQ2; July 8, WHEF4 KCKT2 KYTV3 WCIA3 KWK4 (new); July 9, WUSN2 (new); July 13, WRCA4 (new); July 14, WHEF4 WCBS2; July 24, WKZ03 WTMJ4 WBAY2 WCIA3 WHEF4 WMT2 WJBK2 WWJ4 KYW3 WISC3 KTVI2 KWK4 KMTV3 KCMO5 WOW6 KTVO3 KTIV4 WCGO4 KHL5 (latter 2 new). His log at 89 with 8 new.

King Schafer, Kenmore, N.Y.--June 26, Northern Lights reception, WCBS2; June 29, Es, KFDX3 KNL05 WKY4 KSYD6 KTBS3 KGEO5; June 30, WCBS2 (Northern Lights); July 12, tropes, WFIL6 WKEN27; July 14, Es, WDAF4 KARD3 KV002 KOTV6 KGEO5 KYTV3 KSYD6 KFDX3 CMHQ5 WDBO6; July 16, tropes, WOOD8 WCP09 WKJG33 WHTN13 WKEN27 WENS10 WTVN6 WHIO7; July 17, tropes, WKJG33 WIMA35; July 18, tropes, WJAR2 WGN9 WLWT5 WKZ03 WHEF4 WTTW11 WKEN27 WTTV13 WFBM6 WISH8; July 19, tropes, WLWD2 WBAY2 WMBV11 WGN9 WTTW11 WAKR49 WTVS56; July 20, tropes, WNBQ5 WLWC4 WCAU10 WRCA4 WABG7 WTOP9 WHTN13 WBR228 WFMJ21 WKEN27 WBA11; July 24, Es, KFDM6 KTBS3 KCMO6 WLP5 KRLD4 KSYD6 KFDX3 KOTV6 KBTX3 KGEO5 WKY4 KARD3; tropes, WKEN27.

Art Collins, Buffalo, N.Y.--July 3, Es, KPRC2; July 4, Es, KDIX2 (new) KMTV3; July 9, tropes, WJIM6 WOOD8 WANE15; July 14, Es, KGEO5 KOTV6 KSYD6 KARD3 KFDX3 CMQ6 CMHQ5 WDBO6; July 17, tropes, WTTV13; July 20, tropes, WHTN13 WBZ4 WTV02 WITI6 (new) WCBS2 WRCA4 WNBQ5 WGN9 WCAU10 etc; July 21, tropes, WRCV3 WFIL6 WCAU10 WCBS2 WRCA4 WRC4 WTOP9; July 24, Es, KGEO5 WBAP5 KOTV6 KSYD6 KFDX3 KBTX3 (new) KARD3; July 26, Es, KOTA3 KTVR2 KOA4 KFCG5 KOOK2 WOW6.

Harry Webster, East Jordan, Mich.--July 13, tropes, WISC3 WBBM2 WJBK2 WBAY2; July 14, Es, KPRC2 KARK4 WOA14 KEN85; tropes, WBAY2 WFRV5 WMBV11 WTMJ4; July 15, tropes, WBBM2 WTMJ4 WNEH5 WBAY2 WREX13 WTTW11 WNBQ5 WGN9 WISC3 WJIM6 WOOD8 WISN12 WITI6 WDMJ6; July 16, WBAY2 WTMJ4 WFRV5 WMBV11 WISN12; July 17, WNBQ5; July 18, tropes, WJBK2 WBAY2 WMBV11 WTMJ4 WKZ03 WNBQ5 WJIM6 WISC3 WGN9 WOOD8; July 20, Es, KCKT2; tropes, WSAU7; July 23, Es, CHCT2; July 24, Es, WBRZ2 WDSU6 WEAR3 KPRC2 KRLD4 KMID2. His log now at 33 stations.

Ken L. Stoll, Buffalo, N.Y.--July 8, Es, WUSN2; July 16, tropes, WHTN13 WTVN6 (both new for Ken) WENS10 WCHS8 WHIO7 WOOD8 WJIM6; July 18, tropes, WJBK2 WTTW11 (new) WGN9 WFBM6 WISH8 WOOD8 WJIM6.

Bryan Rawlings, Montreal, Quebec--July 5, tropes, WSXR3, Es, WMBR4; July 13, tropes, CFPM4; July 14, Es, KV002; July 19, tropes, CBOF9 (also on 20th.). His log 22.

Billy Draeb, Kewaunee, Wisconsin--June 28, Es, WEAR3; July 5, tropes, WOC6 (also on 5th); July 8, tropes, KCRG9 (new); July 10, WISH8 (new) WOC6; July 11, KWVL7 WOC6; July 12, KROC10 (new); July 13, WOC6; July 14, Es, WLBT3 WDSU6 KARK4 KPRC2 KTBS3 WOA14 KRIS6; July 15, tropes, WDSM6 KROC10 WOC6 CFPL10; July 16, tropes, WJW8 KYW3 CFPL10; July 17, tropes, WJW8 WHIO7 WISH8 CKLW9 & these new... WSPD13 WENS10 WHTN13 (500 miles) WCP09 WKRC12; July 18, tropes, WISH8 WFBM6 WCP09 WKRC12 WSPD KCRG9 & these new... WTHI10 WTCN11; July 19, tropes, WISH8 KWVL7 WTHI10 WCP09 WICU12 CKLW9 etc & these new... KHQA7 WGEM10; July 20, tropes, WMT2) WHEF4 WCGO4 July 21-22, WISH8 WFBM6 WOC6 KSTP5 (new); July 23, WOC6; July 24, Es, KEDY4 KPRC2 WOA14 KBTX3 WLBT3 KTBS3 KMID2 KOB4; tropes, KHQA7 WGEM10 KROC10 KWVL7 WHIO3 (new); also new on E skip: WREC3 KFDM6; July 25, WISH8 WTHI10; July 26, WISH WFBM6. His log now at 102 with 16 new.

Eastern DX Column...Continued....

Paul Swartz, Gibsonburg, Ohio--June 2, Es, KMID2; June 3, tropo, CBLT6 WBEN4 WGR2; June 9, Es, CHS4 CBRT5 (both new) CKCW2; June 10, Es, KRLD4 KCKT2 KMID2 KDIX2 KOOK2 CKCR2 KTVR2 KOL4 KFBC5 & these new: KHPL6 KDLO3 KTV4 KXJB4 KOTA3; June 11, Es, KMID2 KGN4 KFDX3; June 29, Es, KVOO2 KPRC2 KMID2 KFDX3 WKY4 & KTBS3 (new); July 3, tropo, 688 miles, KTV12 KWK4 KSD5 KFS12 KRCG13 KTS10 KODE12 KTHV11--all new; July 15, tropo, WMBV11 WBAY2 WSAU7 (new); July 16, tropo, WMBV11 WBAY2 WPHN7 WFRV5 (new); July 17, tropo, WMBV11 WBAY2 WSAU7 WEAU13 (new); UHF (all new): WANE15 WKJG33 WIMA35 WSJV52 WNDU46 WSBT34 WFAM59 WTVS56; July 18, tropo, VHF, 340 miles, UHF, WSJV52 WNDU46 WSBT34 & these new: WKOW27 WMTV33 WTV039 WPAG20 WBUF17; July 19, tropo, VHF, CKWS11 (new), UHF, WBUF17 & these new: WSEE35 WFMJ21 WBSN27 WAKR49; July 20, UHF, WFMJ21 WAKR49; July 25, Es, KGEN6 WBAP5 KGE05 KOTV6 KBTX3 (new) & these new: KDR06 KCMC6 KFD6 & UHF, WOSU34 (new); July 26, WBUF17 WFMJ21; July 27, WBUF17 WFMJ WKEN. Log: 164.

Frank Hill, Gallipolis, Ohio--July 5, Es, KPRC2; July 11, Es, KPRC2 KMID2 KFDX3 KRLD4 WBAP5 KRIS6; July 14, Es, WKY4 KFEQ2 KTV3 KCKT2 KVOO2 CMAB2 CMH3 CMUR4 CMHQ5 CMQ6 WESH2 WUSN2; July 19, Es, KMID2; July 24, Es, KVOO2 WKY4 KGE05 KOTV6 KCM05 KFEQ2 KTV3 KCKT2 WDAF4 KSD5 KHPL6 (new) KGEN6 KPRC2 KFBC5 and these new: KTV3 KWK4; July 25, KPRC2 KEN5 KGEN6. His log 221, 3 new.

Carlton Howington, Uniontown, Ohio--July 11, KPRC2 KGBT4 (new); July 14, Es, KMID2 CMAB2 CMHF4 KARD3 (new); July 15, tropo, WKTU13 WNEF12 (both new); July 16, WOOD8; July 17, tropo, WISN12 WMBV11 (new); July 18, tropo, WKB7 WGN9 WTTW11 (all new); July 19, tropo, WTTV13 WMBV11; July 23, Es, WTVJ4; July 24, Es, WBRZ2 KPRC2 WDSU6 WOL4 KRLD4 KMID2 WKY4 KSYD6 KGN4 & these new: KGE05 KFDX3 WBAP5; July 25, Es, KPRC2 WAIQ2 KTVR2; July 27, Es, WTV02 (new); tropo, WNBQ5 WOOD8. His log now at 95 with 12 new.

Stanley Fenc, Utica, N.Y.--July 14, Es, KFEQ2 WKY4 KGE05 KCM05; July 15, tropo, KDKA2; July 20, tropo, WKXZ7 (new).

Bob Martin, Girard, Ohio--July 16, tropo, WHTN13 (new); July 18, tropo, WBNS10 WANE15 WKJG33 & these new: WTHI10 WNDU46 WIMA35 WSBT34 WSJV52; July 19, tropo, WAKR49 WFMJ21 WOOD8 WJIM6 WKZO3 (new); July 20, tropo, CKVR3; July 23, Es, KFDX3 WKY4 WBAP5 KOTV6 & these new: KARK4 KRLD4 KSYD6; July 27, tropo, WANE15 WBSN27 WTRF7 WBNS10 WSPD13 WKJG33 WAKR49 WFMJ21; July 28, WTVN6 WBNS10 WANE15. His log now 89 with 12 new. KARD3 (new) in early July.

Frank Wheeler, Erie, Penna.--July 14, Es, KGE05 WKY4 KARD3.

Don Roller, Ft. Wayne, Ind.--July 20, tropo, WISC3 WBEN4; July 21, WTVH19; July 22, Ms, WGBS2; tropo, WGEN10; July 24, tropo, WGEN10 KHQA KTV03 KTV12 WOC6; Es, WBAR3 WBRZ2 WTVJ4 KENS5 KBTX3 (new) KFDX3 KSYD6 WBAP5 KGE05 KRLD4 KALB5 (new) KGN4 KPRC2 KMID2; July 25, tropo, KFS12 KCRG9 KWWL7 KSD5; Es, WAIQ2 (new) KTVR2 KOL4; Es, WGBS2; July 27, Es, WTV02 CBRT3; tropo, WBEN4. Others new in early July (3-4): KATV7 KARK4 WLAB5 WMBT5 WMBQ13 WREC3. Log now at 182.

Walter Spaulding, Gardington, Ohio--July 15, tropo, WISN12 WTTV13 (both new). Welcome mat goes out to H.E. Apley, 1385 Girard St., Akron, Ohio.  
" " " " to Percy W. Flanagan, 1600 Constance St., New Orleans.

Dick Hurley, Bruce Brady, Bill Barron, Steve Crane, Ron Haver (group of 5), Battle Creek, Michigan--July 16, tropo, 325 miles, WCP09 WLMT5 WSAU7 CHOH11 CFPL10 WRC12 WSTV9 WSTV9 WCL3 WMBV11 WISC3 WTTV4 WTHI10 WISH8 WFBG10 KDKA2; July 22, tropo, WHAS11; July 24, Es, WKRG5 KPRC2 WBRZ2 WBAP5 KMID2 KROD4 WKY4 WOL4 KALB5 KRLD4 KGE05 KGN4 KCSJ5 KFBB5; tropo, KROC10; July 26, tropo, WBAZ3 WAVE3; Es, KTVR2; July 27, Es, CKCW2; tropo, WCL3 WISC3 KTV03 WTTV4. Also WHTN13 on July 16. 6 new this period for them.

William Grant, Worcester, Mass.--June 28, tropo, WCAX3 (new); June 29, Es, WREC3; June 30, Es, KDAL3 CJIC2 CFPA2 WDSM6 KDIX2 (all new), also WBAY2; July 2, Es, WESH2; July 3, WSAV3; July 4, KFEQ2; July 5, Es, WLWD2 KTV12 WFLY2 WAIQ2 WSAV3; July 6, Es, KVOO2 WESH2 WBAR3 WBRZ2 WLBT3; July 7, KTV12; July 8, Es, WSB2 WREC3 WLWD2 WCL3 KFEQ2 WUSN2 (new); July 23, WAIQ2; July 24, WBRZ2.

Don J. Butler, Montreal, Quebec--July 14, tropo, WROC5 (Rochester, N.Y.); July 16, Es, WKY4; July 17-19, tropo, WSJR3 WHEN8; July 25, Es, KDLO3; July 13, WKTU13.



Eastern DX Column...Continued....

Al Caldwell, Brockton, Mass.--June 21, Es, W-IQ2; tropo, WFWO2 WABI5; June 22, tropo, WCAU10 WRCV3 WFIL6 WB-L11; June 23, Es, WLET3; June 25, Es, WREC3 KYTV3; June 28, tropo, WRGB6; June 30, Es, WBAV2 CFP42 CJIC2 KDAL5 WDSM6 KDIK2; July 4, Es, KTVI2; July 5, Es, WUSN2 WAIQ2 WSB2 WAGA5; July 6, Es, WEAR3; July 7, Es, KTVI2; July 8, Es, WGLA3 WFEQ2; July 19, tropo, 250 miles, WCAU10 etc; July 28, tropo, 250 miles, WFWO2 WFIL6 etc; July 29, Es, WESH2 WAIQ2 WEAR3. Log at 124, 5 new.

David Janowick, Milwaukee, Wisc.--June 30, Es, WFWO2 KBOI2 KOOK2 GKOK2; July 3, tropo, good, 300 miles; July 5, Es, KFDX3 KIID2 KPM2 KVOO2(new); July 6-17, tropo, 300 miles on most days; also spotty Es. mostly Texas; July 17, tropo, 400 miles plus, WLWD2 WCP09 WJW8 WENS10 WHIO7 & these new: WLEW5 WICU12 WTVN6 WSTV9 KMH9 KDAL3 (59 stations in all on 17th); July 18-19, continued excellent tropo over 400 miles (VHF); July 24, Es, WDSU6 WLR3 WESH2(new) KIID2 KPR2 WBRZ2 WJW WPTV5 WBR6 WKRG5 (last 3 new) also WLET3 WBAP5 KCMC6(new) KCMN6(new) KRGV5 KGBT4 KENS5 KFDX3 KCSJ5 WFDN6 WAVE3 (last 2 new); July 25, tropo, 390 miles, KRCG13 KTV03 (both new) & others; July 29, tropo, 320 miles, KXW3 WKIX2; Es, WCRS2 WFMY2 WBZ4 WGR2(new). Log now 150, 18 new.

Carl Lupton, Shelbyville, Illinois--May 29, tropo, 350 miles, WSAZ3 WENS10 WHIO7 etc; May 30, tropo, 325 miles, WFEQ2 KPR2 etc; June 2, WHIO7; WATV13 (long bursts!); June 3, KMW3 WJW8(new); June 5, WSAZ3; June 10, Es, KOOK2 KTVR2 KID3 KQA4 & these new: WMLF4 KDIK2 KOTA3; June 21, Es, KOOK2; June 22, Es, KSL5 KUTV2 KID3; July 3, tropo, VHF, 400 miles, WJW8 WOOD8 KMEC9; UHF, 320 miles, WOSU34(new) WANE15 WFIL4 & many others; July 4, tropo, VHF, 515 miles, WTVH12 WJW13 WSPD13 etc; UHF, WHIZ18(new); Es, KOOK2; July 8, tropo, 780 miles, KGUL11 KTHV11 KCMC6 WTVV7 KARK4 KTHH13 KRLD4 WPA18 (all new) WKXI7 etc; July 9, WJW8 KXW3; July 14, Es, KIID2; July 15, WJW8; July 16-17, KMW3; July 18, tropo, WERT8 WTV13; UHF, excellent opening, chs. 14, 15, 17, 18, 19, 20, 22, 24, 27, WKJG33 WMTV33, 34, 39, 43, 49, 50, 52 & 59...quite a run!; July 19, tropo, WFM7(new) WEAU13 WJW11 KWWL7 WJW16(new) WDAF4 etc; July 21, WLMC4 WKZO3, Es, KIID2; July 22, WSET34 WFAM59 WSTV52 HTIS10 WISN12 WKIX19 WTV039; July 23, WTRF7 WJW8 KXW3. Log now at 211 with 19 new this period (2 months).

Bill Eckberg, Walnut, Illinois--June 29, tropo, KFVS12; Es, KENS5 KIID2 KBOI2 KID3; July 1, tropo, KSTP5 KFVS12 WTCN11; July 2, tropo, 511 miles, KTVH12 KTHV11 (both new) KODE12 KAKEL0(new) WOW6 KELO11 etc; July 3, tropo, 537 miles, WCYB5 WCP09 WHIO7 (all new) KTHV11 WPA11 KOLN10 etc; Es, KUTV2 KTVT4 KSL5; July 9, tropo, KFVS12 WRC12 WEAU13; July 10, KFVS12; July 11, tropo, 388 miles; July 12, tropo, KOLN10 KTVH12 WEAU13; July 13, WJW11; July 14, Es, KPR2 WBRZ2 WQAI4 KRGV5; July 15, tropo, 307 miles; July 16, Es, KUTV2; July 17, tropo, KMM9 WEAU13 KSTP5 WTCN11; July 18, tropo, VHF, 325 miles, WCP09 WTCN11 WJW16(new); UHF, WFIL4 WFAM59 (both new); July 20, WFAM59; July 22, KFVS12; July 23, tropo, 511 miles, KTVH12 KTV9 WEAU13 etc; July 24, tropo, 511 miles, WREC3(new) WOW6 KTTIS10 KTHV11 KELO11 WJW11 WPA11 etc; Es, WSB2 WKRG5 WPA5 (all new) KIID2 CMQ2 WBRZ2 KPR2 WEAR3 KRLD4 WAIQ2 WLET3 WPTV5 KUTV2; July 25, KFVS12 KTHV11; Es, WAIQ2; July 26, KFVS12; July 27, tropo, 307 miles; July 28, tropo, WOW6 KFVS12. His log now at 147 with 14 new this period.

Ray Escoffier, New Orleans, La.--June 13, Es, KDLO3 KSTP5 KDIK2 KTIV4 (all new), CMKU2 CMHF4 WBAV2 WCCO4 WIT2 WHE4 WJEX2 WJW4 KXW3 KFYS5; June 14, tropo, WHBQ13(new); June 16, Es, WSAV3(new); June 18, Es, CJIC2(new); June 30, tropo, KOSA7 KTXI8 KDUB13 (745 miles) KPAR12 (all new); July 4, tropo, 710 miles, KSD5 WMCT5 KFVS12 WISH8 WGE10 KHQA7 (all new); July 5, Es, WSTV3(new), tropo, WFBC4 WSPA7 (both new); July 6, tropo, 700 miles, KQAT7 KODE12 WJW13 KMEC9 (all new); July 7, KWK4 KTVX(new); July 8, WTHI10(new); July 11, Es, WFRV5(new); tropo, WSIX8 WDAK28 WKNO10 (all new); July 21, WSYR2 (Es); July 24, Es, WROC5 WOI5 WNBQ5 KTCA2 (all new) KFYS5 & many others via E skip. Log now 185, with 41 new.

Larry Vehorn, Speedway, Ind.--July 2, WJW13 KMEC9 (both new); July 3, tropo, KETC9 WTHI13 (both new) WHBQ13 KRCG13; July 11, WSTV9(new); July 14, Es, KIID2 CMH3 CMHQ5; July 18, WTVH19 WPA20 (both new) WFIL4 WTV13(new); July 21, Es, KTVR2; July 24, Es, CMAB2 CMH3 WBRZ2 CMHF4(new) KTVR2; tropo, WLOS13 KTHV11 KCR39(new); July 25, Es, KUTV2 KTVR2; tropo, KRCG13. Log now 139, with 10 new.



Eastern DX Column .... Continued....

Denny Cline, Eastport, Maine--July 2, Es, WUSN2; July 3, Es, KTV03 WHF4 WMT2; July 7, tropes, 300 miles, WJAR10 WPRO12; July 8, Es, WREC3; 7 tropes, WNAC7 WJAR10 WMR9 WPRO12; July 14, WNAC7 WMR9; July 27, Es, WLMT5; July 28, tropes, WNAC7 WBZ4 WMR9 WPRO12 WJAR10. One new this month. (WHF4)

John K. Bettersworth, State College, Miss.--May 11, Es from northwest; May 18, Es, CFPA2 KTC2; May 21, Es, XEW2 CFT2 CKCK2 & other Canadians; May 22, E skip (ood from most directions; June 6, Es, CFPA2; June 10, Es, CFT2 CKCK2 others on ch2 from north; June 12, Es, XEW2; June 24, Es, central Canada; July 14, Es, KTVR2 KMID2; July 24, Es, KDLO5 (new) & many others from northwest; July 25, Es, KOOK2 WCBS2 & many others between these 2; July 29, Es, KOOK2 CFT2; now to tropes: Feb 1-3, KFVS12 KMBC9 WTHI10 WBIR10 KRLD4 (out to 500 miles); Feb 9-10, KSLA12 KFVS12; Mar 22, XEW2 at 1200 miles via tropes; Apr 7, WTVT13 WFLA8; June 9-16, good tropes activity to 600 miles (west); June 29, tropes from Dallas, Oklahoma, Tennessee etc; July 1, tropes good to west; July 3-8, tropes over 600 miles with Ohio, Indiana, Kansas, Texas, etc in good. His log now at 201. Thanks John.

Norm Erint, Kenmore, N.Y.--June 27, tropes, WFIL6 (also on 28th); July 2, tropes, WHTN13 (new); July 9, WRGB6 WOOD8; July 16, tropes, WKRC12 (new) WTVN6 WHIO7 WBNS10; July 17, tropes, WOPO9 (new) WOOD8 WTVN6 WHIO7 WHTN13; July 18, WGN9 WKJG33 WBKB7 WTTW11 (all new) WBNS10 WKRC12 WOOD8; July 19, WMEV11 WAKR49 (both new) WTTV13 WTTW11 WGN9 WBKB7 WKJG33 WFIL6 WLWD2 WOOD8; July 20, WNBQ5 (new) WFMJ21 WFIL6 WKBN27 WGN9 WBNS10 WTVN6; July 26, Es, KOA4 (new). Log now 128, with 16 new.

Ed Bourgeois, Norco, La.--June 28-30, tropes, 400 miles, KRLD4 KLTV7 WFAA8 KWTX10 KTV9 KFJZ12 KGUL11 KHTV11 KSLA12 KTRK13; July 1, tropes, KRLD4 WFAA8 KGUL11; July 2, tropes, 400 miles, KOA47 (new) KHTV11 KPRO2 etc; July 3, Es, KMID2 KEDY4 XEW2 XEZ3 KHTV4 XHGG5; July 4, tropes, 600-700 miles; KHQ-7 WCEM10 WISH8 KFVS12 KSD5 KDR06 (all new) KTT510 WREC3; July 5, Es, WUSN2 KOA4 KROD4 KMID2; tropes, 650 miles, WSPA7 WFBQ4 (both new) WAGA5; July 6, tropes, 700 miles, KMBC9 KOAM7 KAKE10 KODE12 (all new) KTT510; July 7-8, tropes, 700 miles, these new: KTVX8 KTVH12 WIBW13 WILL12 WKRC12 WOPO9 KWK4 WTHI10 KTEM10; July 10, tropes, 300 miles, KTBS3 WERC6 WSPA12 etc; July 11, Es, WJBK2 WBAY2 WBBM2 WISC3 KDAL3 WTMJ4 WFRV5, tropes, 450 miles, WLAC5 WSIX8 WKNO10 (all new) & others; July 12, tropes, 500 miles; July 14, Es, WBAY2 KDLO3 WCCO4 KFEQ2 KSTP5 KXJB4 WGR2 WCBS2 WSAV3 WBBM4 WUSN2 WROC5 CJIC2 (new); July 15, Es, KMID2 WLWD2 KROD4 KOA4 WWJ4 WJBK2; July 21, Es, WJBK2 WGR2 WKZO3 WWJ4 WTMJ4 WSYR3 WBBM4 KDK-2; July 23, Es, KTC2 (new) WBTB3 WJBK2 WRCV3 WRC4 WLWC4 WWJ4 WROC5 WBBM4 WTMJ4 KYW3 WBAY2 WEWS5 WFRV5 WISC3 WMAR2 WCBS2 WBBM5 KSTP5 WOIS KGL03 WNBQ5 WCCO4 KXJB4; July 24, Es, WBBM2 WMT2 WKZO3 WTTV4 WTMJ4 WFRV5 WBBM4 WJBK2; July 25, Es, KCKT2 KOA4 XEW2 KHTV4; July 28, Es, WGR2 KDKA2 WBAY2 WISC3; July 30, tropes, 400 miles, KTCB7 WQAI4 etc; His log now at 230, with 170 photos.

James Howarth, Worcester, Mass.--June 28, tropes, WRCV3; June 29, Es, WREC3; tropes, WMAR2; June 30, Es, KDAL3 CJIC2 CFPA2 WDSM6 KDX2 (all new) WBAY2; July 2, Es, WSAV3 WESH2; July 3, Es, WGS5 WMBR4 (new); July 5, Es, WFLY2 (new) WAIQ2; July 7, KTVI2; July 8, Es, WBTB3 (new) WSB2 WREC3 WUSN2 WAVE3 WLWD2 WGLA3 KTVI2 KFEQ2 KMTV3; July 13, WDCI19 (new); July 17, Ms, WTAR3 (new), Es, KFEQ2; July 28, CFT2 (seen many times in July.. tropes). His log now 76, with 11 new.

Ghislain Girard, Irville, Quebec--June 28, Ms, WLMT5 (new) WBBM2; June 30, Es, WGLA3; July 2, Ms, WBBM2 (also rec'd via Ms on 3, 4, 10, 11, 15, 16, 17, 18, 19, 24, 25th, 26th & 29th; July 8, Es, KMTV3; July 10, Ms, WSA-23 WAIQ2 (new); July 14, Ms, WMAR2 WAVE3 WKZO3; July 17, Ms, WGLA3 WJBK2 WTAR3 WBTB3; July 18, Ms, WGLA3 WBTB3; July 19, Ms, WMAR2 WGL-3 WMT5 (new); July 21, WMAR2; July 23, Ms, WJBK2 WRAL5 (new); Es, WWJ4 WFMJ2; July 24, Ms, WTMJ4 WGLA3; July 25, Ms, WTAR3, Es, WFLY2; July 26, Ms, WGLA3 (also 28-29); July 29, Ms, WGR2 (new) WJBK2; Es, WKLAQ2 (long double hop) & new for him. CFT2, tropes every day in July. Log now at 53 with 7 new.

**FLASH !!!** Special DX Test for AIPers... arranged by Art Collins in cooperation with chief engineer of KTVU ch6.

Tuesday morning, August 27th--1-2 am CST (3-4 am EDT or 2-3 am EST, KTVU channel 6, Ensign, Kansas--test pattern & tone. Reports to: Ken Karr, CE.

Watch for it! Good chance to log a new station.

\*\*\*DX Test...KTVC ch6 Design, KENS- August 27th-2-3 AM EST--test pattern  
& tone. New station...Ken Karr, chief engineer.

Eastern DX Column...Continued....

Don Middleton, Sanford, Fla.--July 2, (all E skip in July) WCA3 WCB2;  
July 3, WSY 3 KONT2 KVOO2 WISC3 KFEQ2; July 5, KTV03; July 7, WWS5 WKZO3 WLWD2  
WCA3 WBBM2; July 8, KVOO2 KMTV3 WCA3 KMID2 KCM05 KMTV3 WBAY2; July 9, WBAY2;  
July 11, TGBOL3; July 12, WRCV3 WCB2 WMA2; July 13, WMA3 WMA2; July 14, WJHK2  
WGBH2 WCA3 WISC3 WLMT3 WBAP5 KFDX3 KTB3 KTV3; July 24, WGR2 WJHK2 WKZO3  
WJ4 WBAY2 WBBM2 WMT2 WNEF4 WISC3 KGL03 KFEQ2 WDAF4 KCM05 KHA5 KCKT2  
KARD3 KTV03 KMTV3; July 25, KFDX3 KRLD4 KEYT3 (new-double hop) KMID2 KEDY4.  
Don's log now at 156 with 2 new.

Clarence Freshide, New Orleans, La.--June 30, tropes, 500 miles, WBAP5 KENS5  
(both new) KRLD4 WFAA8 KFJZ11 KWTX10 KTB07 KSIA2 KTKL13 KAKH4 etc.; (all  
this tropes rec'd on July 1 & 4th also; July 3, Es, KQA4 KMID2 KROD4 KRFV5  
KGBT4 (last 2 via tropes), Es, KEN2 ZEZ3 KHTV4 KHGO5; July 4, tropes, 720 miles,  
KFS12 KHQA7 KTTS10 WILL12 WGEN10 WISH8 WMT5 (all new) WRBC3; July 5, Es,  
WUSN2 (new) WMA2 CMKU2 CMBF3 & 4 WMA3 KQA4 KROD4 KFEQ5; tropes, WSPA7 WTB4  
(both new) WJDF7; July 6, tropes, 700 miles, KAKE10 KQ17 KTVX8 KSWH12 (all new)  
& others; Es, CMKU2; July 7, tropes, 720 miles, KSD5 WIBM13 KTVH12 (all new) KVOO2  
KMTV9 KTVX8; July 8, Es, WRC4 WPMY2 KEDY4 KMID2 KROD4 KTVX3 WJ4 WJHK2 WGR2;  
tropes, WTHI10 KMY4 (both new); July 11, Es, WFRV5 WISC3 (both new) WBAY2 WTMJ4  
KGL03; tropes, 480 miles, WLA05 WSDX8 WMO10 (all new) etc.; July 13, Es, WGR2  
WBAY2 CMKU2; July 14, Ms, WBAY2; Es, KDL13 KDL03 WGS04 KFEQ2 WBAY2 KSTP5 KGL03  
WUSN2 KQA4 WGR2 WBBM4 & new were: WSAV3 WRO05; July 15, Es, KROD4 WGR2 WJ4  
WLWD2; July 17, Ms, WMT2; July 21, Es, WGR2 WBBM4 WMA2 WSYR3 WTMJ4 WJHK2 WISC3  
KTV3 KMTB4 WBAY2 & new were: WGBT4 WCA3; July 23, tropes, WBI4; July 24, Es,  
WMA2 WJHK2 WJ4 WGR2 WBBM4 WWS5 (new) WRO05 WMA2 WISC3 WRCV3 KTV3 WLWD  
WCB2 WCA4 WRC4 WGO04 WTMJ4 WBAY2 WBBM2 WFRV5 WMA5 KST 5 KXJB4 & new  
were: KPCA2 WOI5; July 25, Es, similar to 24th, i.e. WTTV4 WKZO3 KTV4 WGR2 &  
new KVR3; July 26, Es, KCKT2 WPMY2 KEN2 KHTV4 WMA2 WMA3 KQA4; July 27, Es,  
WGR2 WKZO3 WJ4 WBBM4 WBAY2; Ms, KTVR2; July 28, Es, WGR2 WISC3 WGO04 WBAY2;  
July 29, Es, WJHK2; July 4, KHC09 (new). Log at 180 with 36 new.

Bob Seybold, Dunlink, N.Y.--July 1, tropes, WOOD8 WKZO3; July 2, WTVS56 WPAG20;  
July 5, aurora reception, WCB2 1ed; July 9, tropes, WKZO3 WGN9 WOOD8 WANE15  
WNU46; July 10, WTVS56; July 11, Es, KFDX3; tropes, WLWD2; July 12, tropes, WTV13  
WFMJ21 WKBN27; July 14, Es, KFEQ2 KVOO2 KARD3 KMTV3 KFDX3 WDAF4 WKY4 KOTV6  
KGE05; July 15, tropes, WOOD8 WTVS56; July 16, tropes, WHTN6 WDMJ6 (both new) WGN9  
WOOD8 WTVN6 WTV13 WCP09 WLMT5 WLWD2 WHIO7 WKRC12, UHF chs. 15, 21, 27, 33,  
34, 46 & 56, also WREN7 WKZO3; July 17, tropes, WCB2 WRCV3 WFIL6 WLWD2 WHIO7  
WCP09 WKRC12 WLMT5 WOOD8 WKZO3 WGN9 WTV13 WBS10, UHF chs. 15, 33, 34, 46,  
52 (WSJV) WFMJ21 WKBN27; July 18, tropes, VHF, 500 miles, Ohio, Indiana, Illinois,  
Michigan, Kentucky, also WCB2 WRCV3 WFIL6, UHF, 500 miles, WKX19 WTVH19  
WEEK43 WPAG20 WAKR49 WLBC49 WSJV52 WTVS56 WKX57 WFAM59 (new), also chs. 15,  
21, 27, 33, 34, 46; July 19, tropes, VHF, 475 miles, WBEV11 WMT 13 WFBM6 WEKBT  
WOOD8 WHIO7 WLWD2 WLMT5 WCP09 WGN9 WTTW11 WKZO3 etc.; UHF, 510 miles, WKX57  
WTV039 (new) WMA60 (new) WFAM59 WLBC49 WAKR49 WNU46 WTVS56 WSJV52 WEEK43  
WSBT34 WKJG35 WKBN27 WFMJ21 WPAG20 WKX19 WTVH19 WANE15 (best UHF ever);  
July 20, tropes, WCB2 WCA4 WRCV3 WFIL6 WCAU10 WOOD8 WGN9 WCP09 WLWD2 WABC7;  
UHF chs. 15, 21, 27, 34, 46, 49 & 57; July 21, tropes, WCB2 WRCV3 WRC4 WFIL6;  
July 24, Es, WPTV5 KVOO2 KMID2 KPRC2 KFDX3 KTBX3 KARD3 WMA3 WKY4 KGN4  
WDAF4 KCM05 KGE05 WBAP5 KCM06 KSYD6 KOTV6 KOEN6; July 25, Es, KMID2 KFDX3  
KSYD6; July 26, Es, KOOK2 KOTA3; tropes, WPAG20 WTVS56 WFMJ21 WKBN27; July 27,  
tropes, WFIL6 WBS10 WOOD8, UHF chs. 15, 20, 21, 27, 33 & 49; July 28, tropes, WCB2  
WCA4 WFIL6 WANE15 WSBT34; July 29, WOOD8, UHF chs. 15, 21, 27, 33, 46, 20, 56;  
July 30, WFIL6 WGN9, UHF chs. 15, 49 & 56; July 31, WANE15 WAKR49 WLBC49. Also  
KMO4 via Es on July 1 (verified). Log at 310 now.

NOTE...On report sheets, audio-video column should have quality of sig-  
-nal (poor, good, excellent etc); type of propagation is either E skip, Ms,  
(meteor scatter skip (bursts) or tropes (tropospheric)).

Thanks for all the fine reports. Best regards to all.

**DX LOGGING OF THE MONTH:** Bedford Brown, Jr. on July 4 at 2100 PST, received KQWA-2, Honolulu, Hawaii, at 4,050 miles! Also worthy of note here, although not actually TV-DX— it beats any similar TV-DX records — WYNLZ of Los Angeles worked K46WK in Hawaii on 11.4 Mc. (near channel 7) at a distance of 2400 miles on the evening of July 8, for over an hour and a half starting at 2130 PST. Both parties have recordings of the QSO. This was done with code, kilowatt transmitters, and large antennas. They had been keeping schedules every night for over nine months! How about some of you on the Gulf coast watching for the TVV relay on channel 7 from La Guaira, Venezuela? They run 250,000 watts ERP, and although they are not entirely US standards, they are near enough so that anyone should be able to sync them by simply re-adjusting your hold controls. For trans-Atlantic DXers, the prize would seem to be channel 7 Monte Serra, Italy with 200,000 watts ERP, but the sound is on a gaycycle too high for US TV sets. The picture has the same standards as the Venezuelan stations. Unfortunately, I don't have an up-to-date log of high band Hawaiian TV stations.

A letter from and a newspaper clipping about George F. Palmer of Williamstown, Australia tell of one DXer who is all ready for F<sub>2</sub>. George has already "watched TV pictures from Honolulu on one of five long-distance TV receivers..." He has a 95' tower with six different TV antennas for reception from any country and has "heard clearly the sound from the BBC TV station, channel 1, on 11.5 megacycles." (Quotes from an Australian newspaper.)

A log from Jettarsson & Sandblom (Radio & Foto) of Skillingaryd, Sweden, shows DX TV there every day from May 26 to June 26! Big days include May 27 with Italy, BBC, CCCP, Switzerland, and Germany. May 31, Italy, CCCP and Holland. Jun. 6, Italy, CCCP, Switzerland, Germany, and BBC. June 7, BBC, Germany, and Italy (on channel 4). June 8, CCCP, Italy, BBBC, and Czechoslovakia. June 9, Bucharest, Romania, good. June 11, BBC, Italy, and Switzerland. June 16, Czechoslovakia, Italy, CCCP, Germany, Romania, and France. June 22 & 23, Germany, Italy, Czechoslovakia, and Romania. June 25, Italy, CCCP, Germany, Czechoslovakia, BBC, France and Magyar (Ungern), from 0900 to 2035!

Hal Click of Yellowknife, NWT, sends a long list from April 30 to July 4. Here it is: April 30—CKCK-2, KDIX-2, CHCT-2, KREM-2, KOOK-2. May 1—CKCK-2, CFRN-3, CHCT-2. May 8—unids 2-6, CBUT-4, CKCK-2, KOOK-2. May 13 at 0115, K F4R-2, May 16—CBWT-4. May 17—KID-3, KREM-2, KXLY-4. May 19, flashes 1900 to 2000 on 2-6, CKCK-2, CBUT-4, K F4R-2, KOOK-2. May 21—K F4R-2, 0030 to 0230 p.m., KOOK-2. May 22—CKCK-2, K F4R-2. May 25—CKCK-2, unids 2-6, WKZO-3 (new), KREM-2, K F4R-2. May 26 at 0300, K F4R-2 Excellent. May 27—CBWT-4. June 2 CBUT-4, CKCK-2. June 3 at 0020, CFRN-3 0100, KREM-2, KXLY-4, KRC-6, unids-5, at 0125 KING-5, 0215 K F4R-2, also CFRN-3, CHCT-2 in evening. June 4—CHCT-2. June 5, unids 2-6, 1950, 2300—CFRN-3, CKCK-2 CHCT-2, KOOK-2, KFB-5. June 7—CKCK-2. June 12, 0100 KTAL-3 test pattern. June 13, CBWT-4. June 14—CBWT-4, unids-2. Jun 16—CBWT-4. June 18 at 0020—KOOK-2, CHCT-2, 0100—K F4R-2, K F4R-2, KXLY-4. June 20—CHCT-2 perfect. June 21, 0100 K F4R-2, 1800 unids 2-6, KREM-2. June 25 CBWT-4 and unids 2-6 "all night", also KXLY-4, CFRN-3, KRC-6. June 26, 2350—KLEW-3. June 28—0030 CHCT-2, 0100 K F4R-2, 0130 KREM-2. June 29—CFRN-3, CBWT-4, 2030 "stations all over the place." June 30 "Just a rumble of stations on 2, 3, 4, 5, & 6." CBWT-4, KFB-5, KXLY-4, KRC-6, KING-5. July 1 at 0010 watching more programs than ID'S! 0015 KOMO-4, 0030 K F4R-2. July 2—CKCK-2. July 3 unids 2-4, KOMO-4, CKCK-2. July 4 0045 KOMO-4, CKCK-2, p. m. KLEW-3, CKCK-2, KREM-2 CKX-5. WOW! (Not ch. 6) What a place for DX! He also has a new Tagi all channel antenna with a rotator, says it's better than his rhombic.

Ronald Boyd of Turo, Nova Scotia, Canada sends a long letter with some ideas. Yes, multiple hop E<sub>3</sub> from Europe to the US is a distinct possibility, especially on the lower channels, as E<sub>3</sub> is more frequent and more general on



lower frequencies. Harold also states that he is trying to buy an English TV set, which he believes he can do for \$100. He sends along a clipping from the "USAR Illustrated News" for February, 1957, in which a TV DXer in Tallinn, Estonia, shows photos of TV DX from the BBC, Prague, Rome, Leningrad, and one IHTP which is UNIDED.

Doris Joanson reports a verie from C/B-2 for May 22. That is real good DXing, Doris. On July 21 she had some unided ID's; 1804 PST channel 2, Spanish movie, 1914, Channel 5 "Live" show, Spanish sound, and 2052, Channel 3 guitar music with a man singing in Spanish. She frequently got tropes DX from Canada, in spite of being almost in Oregon.

Eddie Albright of Medford, Oregon reports CMT-3 at 09050 PST on July 23, and CMA-2 at 1040.

Frank Miller sends along a list of verie signers for: CMC net, CMTB, C/B net, C/P-4, CMC-2, CMT-2, CMT-2, CROT-4, CBT-4, CFRN-3, CIBR-3, CJIC-2, CKX-5, CKCK-2 CMT-2, & CB UT-2. If you need same, let me know. He promises info for H IT-4, also.

Stanley J. Pene of Utica, N. Y. reports he "ring" "Tebila phono Los Angeles" on 43.58 from June 30. This was no doubt F<sub>2</sub>, although it could have been double hop E<sub>s</sub>. So who knows we may be closer to more Europe F<sub>2</sub> DX than you think. He says it was sounding like it was last year when he heard the BBC.

Bedford Brown, Jr., of Hot Springs, Arkansas sends in a long list of ID's. His log: June 2, CBT-4 (verified), CMT-2, CBT-6. June 3, CMB-2. June 6, CJIC-2. June 7, C/B-2. June 10, C/B-2, XT-2, and CMT-11 twice, also CFP, CJIC-2, XHTV-4, XHGC-5, XEZ-3, CMTB-4, CMC-6, CMTB-5, and CKCK-2. Times vary from 1050 to 2300 PST. June 11, CKCK-2, CFP-2, CJIC-2. June 12, XT-2. June 13, CKCK-2, CBT-4, CMT-2. June 17, CKCK-2. June 18, C/B-2, CMT-3, CMTB-4, CMC-5, CMC-6, CMT-2, and X-2 (double hop) in the afternoon, and CJIC-2 & CKCK in the evening. June 19, C/B-2. June 20, XT-2, CMT-2. June 21, CMTB-2, CROT-4, CJIC-2, CKCK-2, CBT-4. June 22, CMB-2. June 24, CMT-2. June 25, CMT-2. June 26, CMB-2, CMT-3, CMC-6. June 27, CMT-2, with his set broken for two days. June 29, CMT-2, CMT-4, CKCK-2. July 4, CKCK-2. July 3 XT-2, TG-BOL-3 (Guatemala), XF-2 again, XEZ-3, XHTV-4, XHGC-5, CKCK-2. On July 4 he comes up with a new record: CMC-6 by Tropes. at 0825 to 0830 EST. Also he logged KAN-2 (Honolulu, Hawaii) at 2100 EST by quadruple hop E. Duration was 20 seconds with an ID slide. July 5, CMB-2, CMTB-4 and L20 to 1510 Spanish speaking stations from due south on channels 4 and 5, with 13 stations. Anyone have any ideas? July 10, XF-2, XEZ-3, XHTV-4, XHGC-5. July 11, CJIC-2, CMT-2. July 12, XF-2, XEZ-3, TG-BOL-3, XHTV-4, XHGC-5 all from 1200 to 1300 EST and an unided TP like XF but on channel 5. July 13, tent. CKCK-2. July 14, CJIC-2, XF-2, XHTV-4, XHTB-5 from the northeast, C/B-2, C/B-3, CMTB-4, CMTB-5, CMC-6, CMT-6, and double hopners X-2 and R-5 (n.s.) both with excellent reception. July 15, XF-2. July 19, CMT-2 and CMT-2 (tent.). July 21, CHSJ-4, CMT-3, CMC-2, CMT-5. That's real DXing. Bedford also sends along the following sign on and off's for programs: TG-BOL-3 (Guatemala) 1715-2400 EST, and the three stations in Caracas, Venezuela, YKVS-2, YVLV-4, & YVKA-5 all 0800-2300 EST.

Jerry Don Huron also of Hot Springs, Arkansas, sends in a list of ID's as follows: June 21, C/B-2, CFP-2, CKCK-2. June 23, CMT-2. June 26, CMB-2. June 29, CMT-2, CKCK-2, CMT-6. July 2, CKCK-2. July 3, XF-2, XHTV-4, XHGC-5, XEZ-3, and CKCK-2. July 5, CMB-2, XF-2. July 10, XF-2, XHTV-4, XEZ-3. July 11, CMT-2, CJIC-2. July 12, XF-2, XHTV-4, XF-3, XHGC-5, TG-BOL-3 (Guatemala). July 13, CKCK-2. July 14, CMT-2, XT-2, C/B-2, C/B-3, CMT-5, CMT-6, and doublers XF-2, and XHTB-5. July 15, XT-2. July 19, CMT-2 and CMT-2 (tent.). July 21, CKCK-2. He noted DX to the northwest on July 20, with one Canadian, possibly double hop to eastern Canada (channel 2). He IDed 16 stations outside of the US with KAN in for over a hour, and OR in for over 20 minutes, both with excellent signals, and many unided foreign signals.

Starting this month, I will list predictions of  $F_2$  DX, based on predictions of general conditions of radio wave propagation issued by the Central Radio Propagation Labs of the National Bureau of Standards, and as soon as I have any reports of  $F_2$  DX, I will improve the accuracy of these predictions. Just a word about  $F_2$  conditions first. The average limit of distance of DX by single hop  $F_2$  is about 4,000 km (kilometers; 1000 km = 621 miles), but it may be from 3,500 to 5,000 km or more. I was almost exactly 5,000 km from London when I was in Maryland, and it is quite unlikely that my  $F_2$  DX was by single hop. However, it seems that once the ionosphere has made the first reflection successfully, and if the ionosphere is good near the observer, that reception can occur at any distance, even the long way around. I heard an experimental telephone station in Guam on 38 Mc the long way around twice while I was in Maryland. News work DX the long way around every now and then. And non-great circle routes are a distinct possibility. The BBC is HF by great circle routes from the Eastern US, and WNE from Western US. However, if the MUF is good to the south of the BBC, and to our East or South-east, it is likely that DX would occur via scatter. But such DX is likely to be very poor picture quality. For that matter, all  $F_2$  DX tends to be ghostly, as there are usually multiple paths present.

A few words about these predictions. Times will be given in LST (Local Standard Time) and GMT (Greenwich Mean Time- the time used in London. For PST, subtract 5 hours, CTT subtract 6 hours, etc.) Predictions will be made even if it is known that the stations are usually off the air at the time of day concerned. Frequencies listed should be a maximum for the best days. This is given as 10% above the average conditions. As reports come in, this may be changed to fit observed conditions. Generally speaking, Central Texas should be the first to see or hear Europe TV-DX. The north-eastern edge of Canada should see DX about as soon, and the DX should gradually broaden about a line drawn from mid-Texas to Seattle, Washington, showing in Seattle about last of all. Other European stations should be very similar, except as they get farther away, they will start later in the day, and as the frequency gets higher, reception should be more spotty.  $F_2$  DX from South and Central America, P. R., Cuba, Hawaii, Alaska, Manila, Bangkok, and Australia will also be mentioned when it appears possible. Of course, the lack of a prediction doesn't mean that no DX will occur. If the power from the transmitter is once reflected by most any media ( $E_s$ ,  $F_2$ , Tropo,) or it may show up at very unpredictable places. This type of combined propagation probably accounts for more long haul DX than multiple hop  $F_2$ .

Now for some predictions. No Europe DX of any kind is expected in the US in August. However, the South-eastern states may expect some weak scatter signals from 700 to a possible maximum frequency of 46 Mc. This would start around 1200 LST and end around 1700 GMT. (1200 PST) Just before it fades, it might stretch up into New York State. This DX would NOT be on great circle paths. In October, the story is a bit brighter. At this location I may hear the BBC on 41.5 Mc from 1500 to 1830 GMT (0700 to 1030 PST), probably peaking around 1630 GMT. At this time the MUF may reach 46 Mc. As for the US in general, the best DX will be East of a line between El Paso, Texas, and Chicago, Illinois, with the MUF going to 49 Mc or more. Times will be from 1330 'til 1830 GMT, with no DX before 0700 LST. (Last year I heard the BBC sound on 41.5 mc from Sept. 26 on, with the first picture showing on Oct. 22, and hearing BBC sound on 48.25 Mc the next day, but the channel 2 picture didn't come through until Nov. 13. There is reason to think that this year will be better.)

Now, how about some DXers tuning for some of this DX, and logging, not only received DX, but all times that the set was on, and no DX was heard (or seen). This will be of great value to me in preparing more accurate reports, if you will do this and send it to me as often as you can. While on reporting  $F_2$  DX, it would be of value, if you could send me the following

details: Time set on & off; time reception on and off; time system (I don't care what one, just list it.) quality of reception, including any odd characteristics; location of best reception, if available; and just anything else that you think might be of special interest.

Oh yes, the signal from DZ-03, Manila, P. I., will be spayed over parts of the Pacific ocean, and into South-eastern Asia. So with this station operating US standards, and in such a favorable location, it sure might provide some DX for some short DXer. This would be in October, and times would be from 0400 GMT to 1100 GMT (about noon to 2200 Manila time) to the Pacific, and 0800 GMT to 1800 GMT into Asia. It might be that all it would take to get there in the US from either direction would be an unusual condition of some time, say maybe an  $E_s$  cloud, or even an Atomic Cloud?? Bedford Brown logged Hawaii only 16 hours or so after an atomic blast - could there be any relation?? Four days later there was DX on 144 Mc from the US to Hawaii, could this still be related?? Who knows!

As for my last month's predictions, Hawaii was logged only twice, both of these being in the period of July 6-9. The elusive  $E_s$  succeeded in slipping in between almost all of my predictions at this point, so no more  $E_s$  predictions for a while.

Here is some information on US station ID in the 40 to 50 Mc range. Most of these stations use call letters with three letters and three numbers. Available information indicates that the first letter is always K except for Puerto Rico which is P. (Other US possessions may be . . .) PU is Hawaii, K is Alaska, and other second letters are assigned more or less like ham calls, with W (1) being Colo., Iowa, Kansas, Minnesota, Nebraska, N. D., and S. D. KC (2) is New England; N (3) is N. Y. & N. J.; KG (3) is Del, D. C., Md., and Pa.; KI (4) is Fla., Ga., Ky., N. C., S. C., Va., and Tenn.; KK (5) is Ark., La., Miss., Mo. Ks., Okla., and Tex.; KJ (6) is Calif.; KP (7) Ariz., Idaho, Nev., Ore., Utah, and Wyo.; KQ (8) is Mich., Ohio, and . . . Va.; and KR (9) is Ill., Ind., and . . . is. This seems to be violated once in a while, but they may be incorrect information. There seems to be no further relation of call to location. Example: KTF51 is Ft. Lauderdale, Fla., while KIF653 is Memphis Tenn.

In order to help the most of you that are interested in receiving some Europe TV-DX, I need some information immediately. If you let me know the following: TV set info - intercarrier or split sound; switch, turret, or continuous tuner; range of hold controls (slight, some, or much); antenna input, twin lead or coax; does it have a phone or radio position; what is its IF frequency; are you familiar with the inside of your TV or does a serviceman do all your repair; and other radio equipment that might be used to help if needed. General information - unused VHF channel in your area; space for antennas; construction experience (none, kits, some, much, expert); times of day when you could check for Europe TV; available money for such TV equipment; if you'd be willing to DX, even if your TV couldn't be adapted to see the pictures; and just almost anything else that might affect your Europe TV-DXing. Remember, Europe TV-DX will no doubt be a reality in almost any part of the world this winter, so don't let this opportunity to swell your log pass by, if you can keep from it. If there is enough response to this, enough before the next deadline, I will have information on a kit to buy and modify so you can tune your TV to these near-11 channels. Of course, there is likely to be DX from Europe in the 12 channels this winter, so you may get a bit of Europe TV-DX anyway. Only the English and French systems will not produce pictures on near-US standards, but none of the European TV stations will have the sound-to-picture relation necessary for simultaneous picture and sound reception on US sets.

Information from CTF, Cadena Nacional, S. A. states that they have merged with "Televisión Nacional." Details next month. Also, WFG-3, Mexicali is to start programs on August 15.

—Gordon E. Simkin



Bob Cooper, of Fresno, Calif.: June 7, KVIP-7, KFTT-10, KHSL-12, KABC-7, KTLA-5, KSTU-2, KSNB-4-all tropes. June 8, KHJ-9, KTTV-11, KCOP-13, tropes. KSTU-2, KTV-3 by skip. June 9, KART-3, KTV-4, KNLO-3, KXJB-4, KSTV-3, KSTU-2. June 10, unids on ch. 2 and 3. KSTV-3, WDEM-5(new) KFFQ-2, KSTU-2, KVOO-2, June 11, KPRC-2, KRLD-2, KERY-4 (new) CKCK-2, KFXY-3, KGLB-4, KSTU-2, KTV-4, KLA-2, KRL-3, KARK-4 (new) KGOO-5, KFYR-5, KTLA-2(new) KXJB-4, WDAY-6, KCTA-3. June 12, CKCK-2. 23 skippers on the 11th, 9 not ided, 139 logged, with 5 new.

Allan Livingston of Tulsa, Oklahoma: May 10, WDAF-4, May 13, KLTU-7, KSWO-7, May 14, KPAR-12, KWTX-10, May 20, WTVJ-4, WSPA-12, May 21, KOLN-10, WFIN-1, May 22, KWK-4, WRCa-4, June 25, KTB3-3, KNEW-8 June 29, KENS-5. Total logged 50.

Morris Foote of Middleton, Idaho: May 29, KGNC-4, May 30, KFTX-3 KWK-4, May 31, KRLD-2, June 2, KRLD-4, KARK-4, WTV-4, KOLC-6, June 6 KFDX-3, KVOO-2, June 7, KPRC-3, WLT-2, KTVX-3, WKY-4, June 9, WKY-4 KVOO-2, KGLB-4, KFYR-6, KFTX-3, June 10, KGNC-4, KFTX-3, KSTU-2 and many unids on ch. 4-5-6. KWK-4, WDAF-4, KTV-3, KOLC-5, June 11, KARK-3, KRLD-4, unids on ch. 2 and 4, WKY-4, KROD-4, WDAF-4, KOTV-6 WOV-6, KOLC-5, KRLA-6. June 12, KID-3 tropes, June 13, WCAI-4, KENS-5 KSTU-6, WDAF-4, WKY-4, WCAI-4, KRIS-6, KRLD-4, KENS-5, KGNC-4. June 14 WISC-3, KRLD-3, KRLD-2, WDAF-4. June 17, KAVE-6, KROD-4, KVOO-4, June 19, KNXT-2, June 20, KSTU-6, WKY-4, KROD-4, June 21, WCCO-4. June 22 WDAF-4, KWK-4, KOLC-5, KSTU-5, WOV-6, KTV-3. 72 logged, 6 new. Also some 1 X in Gordon Simkin column. Also see Page 2 of this column.

Bedford Brown of Hot Springs, Ark.: Tropes for period of June 22 to July 21. In the 20-30 mile range: KOL-7, KRLD-5, WTV-12, WLT-3 WTV-9, KFS-12, KPRC-13, KOL-12, KPRC-6, KFTX-10, KGOO-5, KTXI-7, KRLD-4, WDAF-8, WDAF-5, KSTU-11, KSTU-9, KTV-9, WKY-4, KFTA-13, KSWO-7 300-400 miles: KPRC-6, WLT-13, KOL-10, KTV-7, KARK-10, KPRC-3, WISW 13, WPSI-6, WRC-2, KLFY-10, KPLC-7, WDSU-6, WDAF-9, WOK-11, KOLC-8, KPRC-7, KOLC-5, KPRC-9, KFFQ-2, KFTC-9, KSD-5, KWK-6, KTVI-2, WLA-5, WJIX-8, WLA-4, KFTA-6, KPRC-2, KFTA-13, KSTU-8, KSTU-6, KSTU-10, KSTU 6, KFTX-3. 400-500 miles. KOL-10, WRC-5, WSPA-12, WDAF-3, WRLD-4, WOLA 3, WDAY-2, WTV-4, WLA-10, WDAF-3, WLA-11, WDAF-12, WRC-3, KPRC-9 KPRC-7, KSTU-11, KFTA-5, WCAI-4, KPRC-12. 500-600 miles. WTV-9, WRC-13, WRC-6, WIS-8, KPRC-9, WLT-2, WRC-9, WRC-12, WLT-5, WDAF-6, WBL 10, KPRC-11, WRC-6. 600-700 miles: WRC-10, WLT-6, WTV-6, WLA-7, WLT-2, WRC-5, WLA-13. Over 700 miles. WDAF-2 and WSPA-13.

Skip: June 22, WRC-2, KPRC-2, June 23, WRC-2, WLA-2. June 24, KLRJ-2 CBFT-2/ June 25, KSTU-2. June 26, KPRC-2, KPRC-3, KPRC-4, KPRC-6, KLRJ-2 WLA-2, WFLY-2. June 27, WLA-2, WFLY-2, CBFT-2. June 29, WSN-2, KOKA 2, WFLY-2, WRC-2, CKCK-2, KTV-3, WLA-4, WLA-5. July 2, CKCK-2, KDIX-2 KOTA-3. July 3, TG-BCL-3(new) KFT-2, KFTV-4, KPRC-5, KXZ-3, KOK-2, KPRC-5, KXJB-4, KTV-2, CKCK-2. July 4, KLRJ-2, KOK-2(new-4, 309 miles July 5, WFL-6, WRC-5, WDAF-3, WRC-2, WFLY-2, KPRC-2, KPRC-4, WFLY-2 WUS-2. Unids ch. 4 and 5 spanish. KFT-2, KFTV-4, XHGO-5, WFSH-2, KTV-2, KPRC-4, KPRC-3, WLT-2, July 9, WRC-2, WLA-4, July 10, KFT-2 KXZ-3, KFTV-4, XHGO-5. July 11, WLT-1-2, WLA-7, WDAF-2, WRC-4, WTVN-6 WSN-2, WRC-8, WDAF-3, WFLY-2, WLA-2, WRC-2, WLA-2, WLT-2, WJBK-2 WKRC-3, WDAF-2, KPRC-2, KFT-2, KFT-2, KXZ-3, KPRC-5, TG-BCL-3, July 13, CKCK-2. July 14, KPRC-2, WDAY-2, WLA-2, WLA-4, WKRC-3, KLA-3, W FLY-5, KFTV-4, WLA-4, WDAF-3, WRC-5, WDAF-2, WFSH-2, WRC-6, WFLY-2, WLT-4, KFT-2, KPRC-5, KPRC-2, KPRC-6, KPRC-5, KPRC-4m WPTV-5 WKRC-2, WDAF-5(new) KOK-2, KPRC-2, KPRC-4, KPRC-6(new) KPRC-5m KPRC-5, KPRC-5m July 15, KPRC-2, WLA-2, WRC-5, WLA-3, WTV-3, WFLY-3, KFT-2 July 17, KFTV-2. July 19, KFT-2, KFT-2, July 20 and 18, KFTV-2. July 21, WRC-2, WDAF-4, WLA-4, WRC-3, WLA-6, WRC-4, WLA-2, CKCK-5 new, CHSJ-4 new, CKCK-2, new, KFT-3, new, KFTV-2, KPRC-2. ~~XXXXXX~~ 310 logged with 41 new this time.

Troops for this period: KTRA-8, KTRC-7, KPSC-2, KWTU-9, KCPN-6, KWTX-10  
KTRA-13, KTRA-6, KTRB-9, KTRC-2, KTRV-9 new, KTRD-5, KTRV-12  
KFJZ-11, KTRF-5, KTRG-3, KTRH-11, KTR-4 new, KTRC-5, KTRD-4, KTRF-7  
KTRG-6, KTRH-6, KTRI-5, KTRJ-13, KTRK-9, KTRL-7, KTRM-13, KTRN-12,  
KTRP-6, KTRQ-5, KTRS-4, KTRT-5, KTRU-10, KTRV-5, KTRW-2, KTRX-6, KTRZ-6  
KTRC-7, KTRD-8, KTRF-9, KTRG-2, KTRH-12, KTRI-12, KTRJ-11, KTRK-5 new,  
KTRL-4, KTRM-12, KTRN-11, KTRP-9, KTRQ-10, KTRS-10, KTRT-4, KTRU-9,  
KTRV-9, KTRW-13, KTRX-4, KTRY-3, KTRZ-6 new, KTRC-10 new, KTRD-12 new  
KTRF-8 new, KTRG-2 new, KTRI-2 new, KTRJ-7 new, KTRK-9 new, KTRL-6  
KTRM-13, KTRN-3 new, KTRP-11 new, KTRQ-13 new, KTRS-2 new, KTRT-7 new  
KTRY-5 new, KTRZ-10 new, KTRC-11, 38 new loggings--296 total.

Norris Foyle of Pittsburg, Calif., May 21, KVCO-2, CKOK-2, KFEQ-2 May 30, KETX-4, KMD-2, KFLX-6, KGM-4, June 2, CHCT-2, June 9, KCKT-2 CHCT-2, KMD-2, June 10 KFEQ-2, KFT-2, KMT-2, June 11, KVCO-2, KARD-3, KSYT-6, TLY-4, KGM-5 new, KFLX-3, KFLX-2 new, KFVR-5, KMR-4 KCHT-2, CKOK-2, June 13, KMD-2, KCHT-2, KFT-4, KFVR-5, June 23, CKOK 2, July 10, KMD-2, KFT-4 was new also. 34 logged with 3 new.

Lorria Foote of Middleton, Idaho: June 24: KTVY-3, June 27, KTVK  
3, KMLD-2, KID-3 (trope, June 28, KRCB-4, KRCA-4, KRCI-4, WRAB-5, KNAC  
5, WDAF-4, June 29, KMLD-2, KFTX-3, July 1, KXJB-4, KFEQ-2, KOB-4

Morris Foote (cont.) KTV-3, July 3, KVOA-4, July 5, KFTX-3, KTVK-3 July 7, KATV-3, KFTQ-2, July 8, KCOT-2, unid. ch. 7, KGLO-3, July 9 KMID-2, Unid. ch. 13 by AS. July 9, KVOA-4, July 11, KARD-3, KCNC-4, KMID-2, July 14, KTV-3, July 19, KNXT-2, KATV-3, KASH-4, July 20, WKY-4, July 21, KTV-4, KCLC-5, KLAS-5, TAF-4, KCLC-5, KCNC-4, KTIV 4, WOI-5. 76 logged

Ed Nepe of Portland, Oregon.: June 24, CKCK-2, June 25, Aurora June 27, KXLY-4 tropes NEV, KLEW-3, Tent., June 28, KNXT-2, KRCA-4, KTLA-5, KTVK-3, KLAJ-2, KCOT-2, KVOA-4, KEYT-3, June 29 unid. ch. 2-3. June 30, strong aurora- KCRN-3, July 3, KEYT-3, KCOT-2, KARD-3, KDLO-3, KNXT-2, KRCA-4, KTVK-3, KLRJ-2, July 4, CBUT-2 tropes, July 5, KDIX-2, KXJB-4, July 9, KPIG-4, tropes, July 9, KCOT-2, July 10, KXLY-4 tropes, KRLA-4, KVOG-12 tropes, KTV-13 tropes, KCA-4, KCOT-2, KARD-3 WDAF-4, KLAS-5, KTW-2, KOTA-3, KOTA-3, KCNC-4, KTLA-3, KNXT-2, July 11, KNXT-2, KOTI-2 tropes new, July 12, ch. 3 S. Dak. KTL-3, KCOT-2, KTVR-2, KVOA-4, KNXT-2, KRCA-4, July 16, KRCA-4, KLRJ-2, KTVK-3, KNXT 2, July 17, KUTV-2, KOCK-2, July 19, Poss. double hop ch. 2, WKY-4 KTV-3, KCA-4, KNXT-2, KCA-4, KNXT-4, KDIX-2, July 20, CBUT-2 tropes KONO-4 tropes, KING-5 X, KTN-11, KTV-13 tropes, July 21, KNXT-2, KLRJ-2, KTVK-3, KPRO-3, KUTV-2, KRFY-5, KTVR-2, KLSJ-5, KCA-4, KCOT-2, KARD-3, KFB-5, KHAS-5, KROD-4, KMTV-3, KOTA-3, KTIV-4, KFEQ-2, July 22, KBCI-2 new, unid. emit ch. 2 and 4, July 23, KDLO-3, KLRJ-2, KNXT-2, KRCA-4, KEYT-3, July 24, KATV-3, KFEQ-2, KCA-4, KCNC-4, KTIV-4, KDLO-3, W??-2, new, WLT-2 new, KCA-2 new, KOCK-2, KNXT-2, and on May 21, WBRZ-2, new. Logged 69 with 8 new.

Doris Johnson, Longview, Wn.: June 23, KNXT-2, June 25, CBUT-2 KNXT-2, CKCK-2, June 27, CBUT-2 tropes, June 28, KTVK-3, KNXT-2, KRCA-4 KTVR-2, CBUT-2 tropes, KLRJ-2, KVOA-4, KEYT-3, July 1, CKCK-2, July 2 KOCK-2, July 3, KNXT-2, unid. ch. 2-3-4, KDIX-2, KOTA-3, KDLO-3, KCKT 2, KARD-3, July 3, KNXT-2, KRCA-4, KTVK-3, KLRJ-2, July 4, KLRJ-2, July 4, KLRJ-2, KVOG-12 tropes, CBUT-2 tropes, CKCK-2, July 6, KUTV-2, July 9, KCOT-2, KNXT-2, July 10, KCOT-2, KRL-3, KHAS-5, WDAF-4 NEW, KTW-2, KTVR-2, KTV-3, KOL-4, KROD-4 NEW, KNXT-2, July 11, KNXT-2, KCOT-2, KLRJ-2, July 12, unid. ch. 2-3-4- KTV-3, KNXT-2, KRCA-4, July 13, KATV-3, KTIV-4, July 15, CBUT-2 tropes, July 16, KLRJ-2 and 3 foreign DX opening (Spanish audio) KTVK-3, KNXT-2, July 17, CBUT-2 tropes, KNXT-2, July 19, KTV-3, KCA-4, KRCA-4, KNXT-2, July 20, KVOG-12, CBUT-2 tropes July 21, KNXT-2, CBUT-2 tropes, KTVK-3, KLRJ-2, KREX-5, KCA-4, KUTV-2, KLSJ-5, KFB-5, WLD-2, KHAS-5, WJBK-2, KCOT-2 KROD-4, KATV-3, KTVI-4, KARD-3, KTVR-2, KTV-3, KVOG-2, July 23, KLRJ 2, KNXT-2, KDLO-3, KCA-4, KOTA-3, CKCK-2, July 24, KCA-4, WKY-4-tent KATV-3, WJBK-2, WJOC-3 NEW, WKY-2 NEW, WJOC-3 NEW, KDLO-3, WMT-2, NEW, KCA-2 NEW, ~~KAXXX~~ WDAF-2 new on May 21. Logged 78 with 8 new.

Edwin Shorey of Terry, Kansas: June 26, KLEV-7 tropes new, June 28, KUTV-2 June 29, WFAA-8, WBAP-5 tropes, WGR-2, WFLY-2, WRC-4, KDKA-2 WRC-4, WTVR-6, and KLAS-5 tropes, and KLTV-7 tropes, June 30, KWC-7 KATV-3 tropes, July 2, WFAA-8, KATV-7, KID-7, WBAP-5, KOLN-10, KFEQ-2 KHFL-13, KOW-8, all tropes, with KHFL new, July 3, WFAA-8, WGBM-17 KOLN-10, KLAS-7, KATV-7, KENT-8, WOL-6, KSTC-7 tropes, July 4, WFAA-8 KLTV-7, KSTS-10, WLAS-5, NEW all tropes, July 5, KSWO-7, KTV-6 new, WFAA-8, KSYD-6, KLTV-7 tropes, July 6, KART-8, KOLN-10, WOW-6, KTS-10, KNCB-8, WFAA-8, KATV-11 with KLOS new--all tropes, July 8, KFVS-12, new WFAA-8, KATV-7, KNOE-8, KRG-5 new, KLTV-7, WFAA-8, all tropes except WGRG, July 9, KCLC-6 new, tropes, KBCI-2 new, July 10, KHAS-5, Krops, July 11, KATV-7, KOLN-10, tropes, WGR-4, WAIQ-2, WSH-2, WMFD-6, WFLY-2 all Es, July 12, WFAA-8, KLEW-7, KCA-7, WCEL-10 tropes, July 14, KDKA-2, WGR-2, WCYR-3, WFAA-4, WFAA-2, WFAA-2 new, WGR-4, July 15, KOLN-10 Tropes, July 16, KOLN-19, July 17, KCLN-10, KSTS-10 tropes, July 18, KCLN-10, July 19, WFAA-8, KOLN-10, KATV-7, July 20, WFAA-8, KOLN-10, July 21, TAR-3 skip. Good Tropes month, Poor for Skip. 175 logged-9 new.



Percy Cox of Visalia, Calif.: May 27, KEDY-4, WSVD-6, KMID-2, KROD-4, KRAS-6, May 28 and 29, KMID-2, May 30, KVOO-2, KPRC-2, KARD-3, KFDX-3, KTVI-2, WKY-4, WOAI-4, KLS-5, WSYD-6, KOTV-6, KGEO-5, May 31, KCKT-2, KARD-3, June 6, KOTV-2, KOA-4, June 17, KATL-2, KCMO-4, KING-5, June 18, CKCK-2, CHCT-2, CFRN-3, June 17, KMID-2, KARD-3, KEDY-4, CKCK-2, June 22, KOCK-2, KFI-5, CHCT-2, KSTV-3, VOW-6, June 28 and 29--YVKS-2, YVLY-4, YVLA-5, HFS-3, at 3,000 to 4,000 miles, July 3, WAPA-4, WKAA-2, KOCK-2, KATV-5, July 10, KMID-2, July 14, KPRC-2, WOAI-4, KENS-5, KRAS-6, July 24, KFI-5, KARD-3, KCMO-5, WTAF-4, KTVI-2, KALO-3, WO-1-5, WMT-2, KALO-3, KYLS-4, KFYR-5, June 28, KPRC-2, KENS-5, KRAS-6, KOCK-2, KREB-5, KCKT-2, KARD-3, KOTV-2, KVT-4, KSL-5, X. logged 100 with 20 new this time. The Venezuela, and Puerto Rico ones are real good hauls, Congrade!

Gordon Simkin of Loma Linda, Calif.: July 3, KFDX-3, July 2-4-5- and 6, ?? on Ch. 11, with KETV-6 in. July 10, unided on ch. 3, and unided on ch. 2. July 12, unided on ch. 3. July 15, KXX unided on ch. 3. July 21, IHTP on ch. 2, unided on ch. ~~11~~ <sup>12-3-5</sup>. July 24, unided on ch. 3.

Bob Cooper of Fresno, Calif.: July 2, KVIP-7, traps. July 3, KHSL-12, traps. KROD-4, KMID-2, KES-5 NEW, KVOO-2, KARD-3, WOAI-4, KFDX-3, KOTA-3, ABZ-3 NEW, KSTV-4 NEW, KQVR-13(traps) July 5, KCKT-2, KRLD-4, KFDX-3, July 9, KALO-3, July 10, Es on ch. 2 and 3. CHX-5 new, KALO-3 CKCK-2, KTVO-2, new, KOTA-3, ~~KHSL-12~~, July 12, CHCT-2, CFRN-3, CKCK-2, KMID-2, and traps up to 200 miles to north and south, and 316 miles best haul, KVIP-7. July 14, ABZ-3, KTV-2, KSTV-4, XGC-5 new, KBTX-3 WOAI-4, KHIS-6 new, KATV-11 Hi, KMID-2, KALO-4, KENS-5, July 17 KMID-2, July 18, KSTV-11 traps, July 21, KARD-3, CBHT-3 new, KALO-3 CKCK-2, CHX-5, WLA-6, KOCA-2, KOLA-3, WCCO-4 new, KFYR-5 July 24, KALO-3. Bob 1 gets 10 new this time, bringing his total to 149.

The last of June and most of July were very good traps according to all the 1's reports. (We can't get any traps over 200 miles up here where I live, except CBHT-2 at about 240 miles--too many mts. I guess.), but not so good skip wise. Oh, of course a few did log some really big ones by skip, such as Percy Cox, Bedford Brown and Eddie Aloright. As I am making up the column tho, I notice that July 21, 24 and 26 were real HOT skip days up here in the North West, so perhaps you are getting it else-where also. It's about time, as I was beginning to think it was all over.

In closing I want to say one more thing. Please excuse all the mistakes I made this time in typing-- I just seemed to be all thumbs, Know what I mean? I'll try to better next time. Best DX to you all.

do Doris Johnson  
146 Maddock Place  
Longview, Washington

Co-Channel Interference Column conducted by Bedford Brown, Jr.  
Summer Address: 104 W. Mineral St., Hot Springs, Ark.

I would personally like to welcome a new member to the AIPA. He is 17 year-old Bobby Grimes of Little Rock. Bobby has been dxing about two years and has logged around 70 stations, including Canada, Cuba, and Mexico. On a Tuesday morning in mid-June at about 10:30 A.M.E.S.T. Bobby received a test pattern on channel five that had a picture of an adobe hut with palm trees. The call was on the left side, and Canal Zone seemed to be in the right. If anyone can help him out, write to me here in Hot Springs and I will relay it. (Can't find his address).

A.I.P.A. TV-DX RECORDS-Here are some corrections in last month's list. Channel 4 Skip-Lupton, Shelbyville, Ill.-KULA-TV 4,400 miles-8/10/56 U. H. F. Skip-Lupton, Shelbyville, Ill.-2/7/57-WNOW 49 655 miles-ms. Countries-I have added Guatemala and Hawaii since last time, total of 12 -----Jim Dillon suggests that (Number of Foreign Stations) be listed for Canada also. All Canadian dxers who have logged more than 100 stations in the U.S. and other foreign countries let me know your total as soon as possible. Leader will be published next month, and corrections will be made thereafter as needed. Thanks to Jim and Carl...

Verifications-If anyone has received within the past year a verie from any of the following stations, would he please send me the name of the signer: KTRK-13, KFJZ-11, WAIQ-2, WEAR-3, WCAX-3, KNAC-5, WJBF-6, KTRE-9, WTOK-11, WJIM-6, WDAY-6, WDXI-7, and WNEM-5. As far as dxers in the Mid-South and Southwest are concerned, the above stations are on the Delinquent List. Send any other delinquents to me for publicatn.

Unidentified Stations (All time is E.S.T.)

Morris Foote, Box 153, Middleton, Idaho

1. May 3 8:40am ch.2 video-sign saying Morning Melodies, audio-music
2. May 8 8:35am ch.2 Same station as above.
3. May 15 10:35am interrupted Art. Godfrey program of his trip to Africa for a special emergency weather report, sounded like KDAD Weather (by phone) to eyewitness account at Plains, Kansas, tornado; 12:15am ad for 800 block E. Broadway.
4. May 16 8:15am ch.2 film on Suez
5. " 10:15am ch.3 Morning Playhouse
6. " 10:30am ch.2 end of Art. Godfrey (ear phones), beginning of Strike It Rich, no ID, told about Ellen Queen Show tonight on ch.2.
7. " 11:15am ch.2 end of Industry on Parade-ad for Staff Bread, no ID, followed by Love of Life.
8. " 11:00am ch.4 Library woman telling story (sponsored by Ideal Food Stores)-write to me % \_\_\_\_\_, TV, Kalamazoo.
9. " 1:25pm ch.3 ad for Plaza Hardware south of Tower Theatre.
10. " 2:00pm ch.2 ad for Staff Bread
11. " 12:00mid. ch.4-flash with what sounded like KRCO.
12. " 12:30am ch.7 sea story with Capt. Lech as one of the characters (a feature theatre)
13. May 19 10:50am ch.3 play about a town that didn't want A-bombs to be made in it.
14. " 11:57am ch.4 No change in temperature tonight, low about 60°. Video-man seated.
15. May 20 2:15pm ch.3 MGM Theatre sponsored by Bennett Motors K--
16. June 6 6:45am ch.2 test pattern K LD-TV, call on top of test pattern
17. June 20 12:20pm ch.4 audio sounded like KBY-TV.

James Howarth, 84 Mower Street, Worcester, Massachusetts

1. June 9 9:00pm ch.5-wwest-skip-Martha Roundtree's Press Conference.
2. June 9 10:53am ch.3-nw-skip-Gene Autry Movie
3. June 11 6:30pm ch.3-w-skip-Kiddie Korral
4. " " ch.5-w-skip-Waterfront
5. " " ch.2-w-skip-"Labor Views of the News".
6. " 10:15pm ch.2-sw-skip-Wyatt Earp

continued on next page

American Ionospheric Propagation Association

Volume 4, Number 7

continuing with Co-Channel Interference Column-Bedford Brown

Unidentified Programs continued (All time is E.S.T.)

Dennis Smith, 450 Poplar Avenue, Wasco, California

1. May 25 2:00pm ch.4 CBS GAME of the WEEK (baseball) (Try KRLD)...BB
2. May 29 12:05am ch.2 Lawrence Welk
3. " 10:05am ch.3 The Price Is Right (NBC Live) (Try KFDX...BB)
4. May 30 4:00pm ch.5 country & western music-local live
5. " 4:05pm ch.6 NBC Comedy Time-Topper (Try KGEN...B)
6. " 6:00pm ch.4 two men with guitars sang then introduced western movie, In Old Cheyenne with Roy Rogers
7. " 11:05p ch.5 ads for Gold Spot Milk & DeSoto cars, then back to movie of "Joan of Ozark."
8. June 3 1:50pm ch.2 Indian-head test pattern
9. June 9 12:45pm ch.3 id. "K?LO-TV ??????City, then a program on film Amer. Religious Meet. of the Air-Sin was discussed. (Prob. KDLO3-Garden City, S.D...Bedford)
10. June 9 11:30pm ch.2 Panel of men, with cards identifying them, Charles Burns-Southside Church of Christ, Jimmy Wood-Northside Church of Christ, & another man, perhaps the moderator---local live
11. June 10 3:59pm ch.4 end of CBS The Edge of Night, then Liberace.
12. " 6:37pm ch.2 Robin Hood (CBS) (Try KFEQ---BB)
13. June 11 9:20pm ch.5 \$64,000 Question (Could be KNAC, KCMO, KENS...BB)
14. " 10:08pm ch.5 Dragnet or Badge 714
15. June 14 5:30pm ch.2 Western-the Masked Rider, with Johnny Mack
16. June 17 8:30pm ch.2 Disneyland-"Antarctica-Operation Deepfreeze" (This was not KVOO, KPRC, WBRZ, KTVI-B) (Try KMID or possibly KUTV on above)
17. " 8:30pm ch.5 Burns and Allen

Edward Rugel, 304 North Park Boulevard, Independence, Kansas

1. June 2 10:49am ch.2 Camera Three, 11:00am-Let's Take a Trip, but before that was something concerning the Boston Register Newspaper. At 11:30am we had ads for You Are There and some dairy products.
2. June 2 10:57am ch.3 A cartoon program along with puppets. 11:00am was ad for LITS Pre-Summer sale with 38% off. at 11:17 was ad for Fizzies soft drink.
3. June 2 1:00pm ch.2 a CBC station signed on the air with News in French (This was CBFT, but not sure about News.BB)
4. June 5 12:37am ch.8 The Price is Right. 11:42 was an ad for Nursing. 12:30pm was ad for Lawrence Welk's Top Toned & New Talent Program, 1:30 was TENN. ERNIE FORD prog
5. June 11 8:27am ch.2 White call letters in upper left part of a TP.
6. " 8:56am ch.2 News. 9:00AM-program with Looney Tune Cartoon 9:01
7. " 9:52am ch.3 Art. Godfrey, 10:00am-ads for Little Rascals & maychse.
8. " 10:08a ch.2 Arthur Godfrey Show
9. " 11:28a ch.2 Ind.-head TP until 1:00am when station went off a
10. " 11:43a ch.2 Ind.-head TP with no call on hour/the air sudnly.
11. June 15 7:36am ch.2 Dolor-Bar Test Pattern (poss. KVOO...Bedford)
12. June 18 8:10am ch.? TODAY-at station break part of call was P and A

Jerry Don Burch, 131 Liberty Hill, Hot Springs, Arkansas

1. June 20 1:52pm ch.9 ms-slide with CHANNEL 9 written across screen.

Just below this was some more words across.

Bedford Brown, Jr., 104 West Mineral Street, Hot Springs, Arkansas

1. July 5 3:00pm ch.4-Spanish speaking from due South. Not Cuban or Mexico City, since no ch.2 was on. Station used the U.S. standards. (Does anyone know if XEMH-TV (Merida, Mex.) is on?
2. " 2:20-3:00pm ch.5-Similar to above except on a beam slightly more east (almost due south but a little east) (Anyone know anything about a ch. 5 in Central America?)

Add KCKT2 to Delinquent List...That's all for now. Best dx to all, BB.



## CO-CHANNEL INTERFERENCE COLUMN

BEDFORD BROWN, JR.

First my apologies for the lateness of the July section of the column. Steady dxing of all forms prevented my working on the column. July, '57 was the best month for dxing ever experienced here with 52 new stations logged and 52 veries received during the month. Now on to the UNIDEDS.: UNIDENTIFIED PROGRAMS(ALL TIME IS E.S.T.)

Morris Foote, Box 153, Middleton, Idaho

1. July 1 10:10pm ch.4 North West News, video-(man at news desk), audio-(That is all of the North West News, and now a word from our sponsor.)

2. July 13 10:20am ch.3 boys find atomic balloon, think it is flying saucer in western-type movie.

3. July 21 9:58pm ch.6 Witten(or Whitten), South Dakota for about that GE TV set, then what sounded like KPLO-TV, Channel Six.

\*NBO\*T\*E\*Morris's No. 3 was a mix-up of stations, possibly two different ones. I suggested possibly "Britton, S.D." in WDAY's service area, and KDRO-TV Sedalia. Will someone check the WDAY possibility?...BB..

William Grant, 315-A Pleasant Street, Worcester, Massachusetts.

1. June 25 4:05 PM ch.2-Susie in Private Secretary-ms.

2. June 30 6:58-7:02pm ch.2-E-skip-"Ed Sullivan", then "All-Star Theater"

3. July 5 11:20-11:30pm ch.2-E-skip-"Candid Camera".

4. July 8 9:28 PM ch.2-Boxing(not network)-ms.

5. July 20 11:00-11:30pm ch.2-E-skip-"I Love Lucy".

6. July 22 10:25pm-ch.2-E-skip-"The Crusader".

7. July 23 3:30pm ch.3-E-skip-milk ad-(Fair---?) then ID SLIDE-BIG "H", printed on slide.

8. July 24 11:10-11:25am ch.2 E-skip Cooking program-advertisers were Lady Borden, Ice Cream and Kommyer appliances.

9. July 24 11:30am ch.3 E-skip ch.3-Kiddy Corner and NBC Show

(Bill, on no. 9-both WLBT and KTBS carry Tex and Jinx from 11-11:30 and Club 60 from 11:30-12, Tic Tac Doe and It

Could Be Yours 10-11am C.S.T., noKiddie Corner-rule them out-B

10. July 25 3:48pm ch.2-E-skip Amos and Andy

Bedford Brown, Jr., 104 West Mineral Street, Hot Springs, Arkansas

1.ch.6-ms-Mon.-Fri.-Bullseye TP(like WKY, KARK, WGR, WJBK)-about 5:50am.-ne

2.ch.3-ms-no-Mon.-Fri.-"home-made-tp with large black patches in upper

left and lower right, seen about 6:55am". Please check KGLO, KMTV, etc.

3.ch.6-ms-Mon.-Fri.-id slide with call accompanied by very high test

tone from 6:55-7:05am. Does not start prog. at 0700est. Check WOC, WOW, etc.

4.ch.3-ms-Mon.-Fri.-Ind.-head test pattern around 6:55am-due no.-please

check KMTV, WISC, KDLO, KGLO, etc. for this. On no.1, check WRGB, WCSH.

5.ch.4-ms-no or nne-Bullseye tp(Mon.-Fri.) 6:25-6:30am(Like WKY, WGR, etc.)

6.ch.4-ms-no. or nne-RETMA tp(Black bars, no ID)6:30-6:45am-daily(Mon.Fri.)

7.ch.4-ms-no. or nne-Farm, news report, local program seen daily(Mon.Fri.)

from about 6:45-7:00am. I have seen man standing at board and one sit-

ting at desk at 6:55am. Bursts always strong and consistent. Please

check no.5, 6, and 7, for WCCO, KTIV, WHEF, WWJ, WTMJ, etc..Thanks.B.B.

8.ch.4-ms-ne-Mon.-Fri.-5:45am-Ind.-head tp with call on top.

Bobby Grimes of Little Rock reports the following July dx: July2..E-skip

EKCK-2(new), July 3..E-skip XEW-2 CKCK-2, July 4 E-skip KLRJ-2(new), July

5 E-skip..XEW-2, KTWR-2, WUSN-2, July 7 tropes..WHIO-7, WCPO-9, WISH-8, July

8 tropes..WHIO-7, WISH-8, WCPO-9, WPSD-6, KWK-4, KSD-5, KTVI-2, WFBM-6, July 9

tropes..WHTN-13(600mi.), July 10 tropes..WALA-10, WTIQ-7, WABT-13, E-skip..

XEW-2, July 12 E-skip..XEW-2, July 14 E-skip..XEW-2, July 15 E-skip-XEW,

July 24..E-skip--Fla., Ga., S.C., W.Va., N.C., Va., Pa., Md., N.Y., Ohio, Mich.,

Wisc., Minne., etc. July 25 E-skip..N.C., Va., Md., N.Y., Pa., etc. July 26-

E-skip..CMH-3, July 29 E-skip Va., Md., Pa., N.Y., CBFT-2. Thanks, Bobby.

Dan Samuels has chalked up a new Record for the New York City area by

logging a total of 59 stations, 1 UHF:531 E.Lincoln, Mt.Vernon, N.Y.

Nice verie received here from John Via, Staff Announcer, WTOK-TV, ch.11.

Best dx, 73's, Bedford Brown, 104 West Mineral Str, Hot Springs, Ark....

"Meteor Scatter Column" Conducted by Carl Lupton, Shelbyville, Ill.

Due to unknown reasons, (possibly bad weather), the MS portion of the July Bulletin failed to reach the publishers, hence a condensed report of two months.

First with Jerry Don Burch of Hot Springs, Ark. For the month of May, a total of 18 reports, all Channel Twos, and early AM. For the month of June a total of 84 loggings, mostly Channel Twos, a few on Channel Three and some on Channel Six. Two new, WJAO6 and WJIM6. For July 23 stations were picked up 52 times, WNBQ5, WEWS5 and WDSM6, new. A grand total of 44 stations seen 152 times. Purty good viewin' !!

Next is King Schafer of Kenmore, N. Y. For June, logged was 12 stations, covering all the low band, all in the early AM. For July, 13 stations seen, also early morning, for a total of 25 stations.

Norman Erint, Kenmore, N. Y., did very good for the month of July. He logged 12 stations a total of 26 times.

Ronaly Boyd, Truro, N. S. logged 8 stations, one new, a total of 45 times in the period of June-July. Best distance WJBK2, at 975 mi. He also reports a good photo of same on an extended burst.

Ed Bourgeois, Norco, La. A log of 74 stations seen on 15 days, with WDSM6, WCIA3, and WBTB3 all new. This for the month of June.

Ed. Rugol of Independence, Kan. reports that DX has been off somewhat, but did record 4 idcs and some unids via MS for June.

Doris Johnson, Longview, Wash. For the month of June, loggings totaled 36, mostly on Channel 2. Best distance was WDSM2 at 1825 mi. In July 24 stations idcd, with many eastern stations unid.

Bob Seybold, Dunkirk, N. Y. A total of 88 loggings for the month of June, all times early AM. For July, he reports too much Tropo for good MS DXing, but logged 73, mentioning that 1 July was very good.

Bedford Brown, Hot Springs, Ark. The report for July shows 69 loggings idcd, with a few mystorids. Late MS veries include KHAS5, KFEQ2, and WJIM6. I might mention that XEW2 was seen via MS at 1828 ODSF on July 16.

At this time I wish to apologize for the briefness of this report. If I were to try and put down all the stations for the past two months, I would end up as sole publisher for the next month, hi. - So, inbetween E-skip, log some MS and let know about it, cfl

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SPECIAL DX TEST..... Art Collins has arranged a test from the new KTVG channel 6 in Ensign, Kansas. Tuesday morning August 27, 1957 1-2:00 AM CST. 2-3:00 AM EST. 3-4:00 AM EDT. (and may go on longer) will have a test pattern and tone. send reports to Ken Karr Ch.Eng. Try for this station if you will.